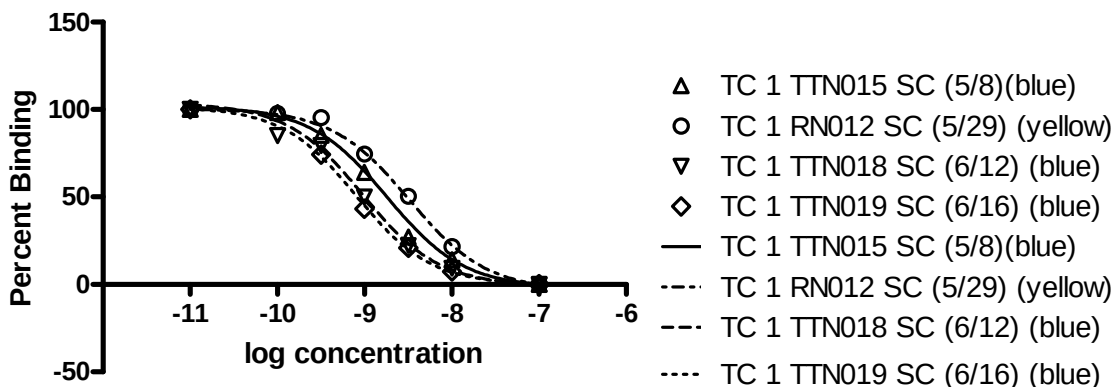


Appendix 12
Individual runs, Lab Z

Code	Name
1	17 β -Estradiol
2	17 -ethynylestradiol
3	DES
4	meso-Hexestrol
5	Genistein
6	Norethynodrel
7	Butyl paraben (n-butyl 4-hydroxybenzoate)
8	Nonylphenol (mixture)
9	o,p'-DDT
10	Corticosterone
11	Equol
12	Zearalenone
13	Tamoxifen
14	5 α -dihydrotestosterone
15	Bisphenol A
16	4-n-heptylphenol
17	Kepone (Chlordecone)
18	Benz(a)anthracene
19	Enterolactone
20	Progesterone
21	Octyltriethoxysilane
22	Atrazine
23	R1881

TRL TC 1 Standard Curve

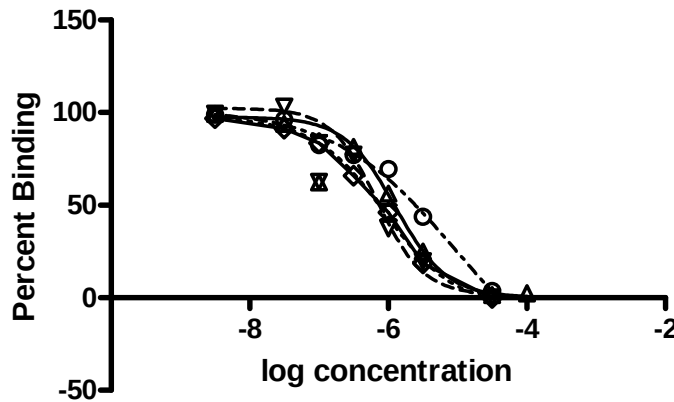


	TC 1 TTN015 SC (5/8)(blue)	TC 1 RN012 SC (5/29) (yellow)	TC 1 TTN018 SC (6/12) (blue)	TC 1 TTN019 SC (6/16) (blue)
logIC50				
Best-fit values				
Bottom	-1.938	-3.713	-0.8833	-0.3384
Top	101.9	100.5	103.6	101.5
LogIC50	-8.743	-8.515	-8.999	-9.085
HillSlope	-0.9835	-0.9736	-0.9948	-1.018
Std. Error				
Bottom	0.9579	0.8891	1.463	1.581
Top	1.001	0.7193	2.400	2.154
LogIC50	0.01380	0.01022	0.02211	0.02342
HillSlope	0.04016	0.03367	0.07026	0.07764
95% Confidence Intervals				
Bottom	-3.943 to 0.06704	-5.574 to -1.853	-3.971 to 2.204	-3.691 to 3.014
Top	99.76 to 104.0	98.97 to 102.0	98.53 to 108.7	96.90 to 106.0
LogIC50	-8.772 to -8.715	-8.537 to -8.494	-9.046 to -8.952	-9.134 to -9.035
HillSlope	-1.068 to -0.8995	-1.044 to -0.9031	-1.143 to -0.8466	-1.182 to -0.8531
Goodness of Fit				
Degrees of Freedom	19	19	17	16
R ²	0.9983	0.9989	0.9937	0.9932
Absolute Sum of Squares	66.11	40.72	179.2	181.5
Sy x	1.865	1.464	3.247	3.368
Number of points				
Analyzed	23	23	21	20
Outliers (excluded, Q=1.0%)	1	1	1	0

log concentration	TC 1 TTN015 SC (5/8)(blue)			TC 1 RN012 SC (5/29) (yellow)			TC 1 TTN018 SC (6/12) (blue)	
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2
-8.500		7.410						
-9.500					106.200			
-11.000								91.320

log concentration	TC 1 TTN015 SC (5/8)(blue)			TC 1 RN012 SC (5/29) (yellow)			TC 1 TTN018 SC (6/12) (blue)			TC 1 TTN019 SC (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	0.18	0.38	-0.31									
-7.00	-0.60	0.50	-0.10									
-8.00	15.87	15.30	11.31									
-8.50	35.84	7.41	38.11									
-9.00	63.70	64.51	64.19									
-9.50	83.90	89.18	82.67									
-10.00	97.82	98.22	98.91									
-11.00	98.71	100.60	100.69									
-7.00				0.14	-1.45	0.57						
-7.00				1.90	-1.50	0.40						
-8.00				21.58	21.21	21.76						
-8.50				49.64	51.36	50.13						
-9.00				75.07	75.01	73.90						
-9.50				89.07	106.20	91.10						
-10.00				99.57	97.18	96.44						
-11.00				98.16	99.20	102.64						
-7.00							0.28	0.20	-0.01			
-7.00							-0.40	-0.40	0.30			
-8.00							9.11	8.93	9.93			
-8.50							21.02	24.78	21.00			
-9.00							51.99	49.47	48.31			
-9.50							72.94	82.89	82.61			
-10.00									85.15			
-11.00							104.36	91.32	104.32			
-7.00											0.02	0.13
-7.00										-0.30	0.50	-0.40
-8.00										6.04	7.02	9.39
-8.50										20.68	19.23	22.95
-9.00										46.15	41.09	42.62
-9.50										66.64	78.88	77.19
-10.00												
-11.00										103.78	101.82	94.40

TRL TC 1 Weak Positive



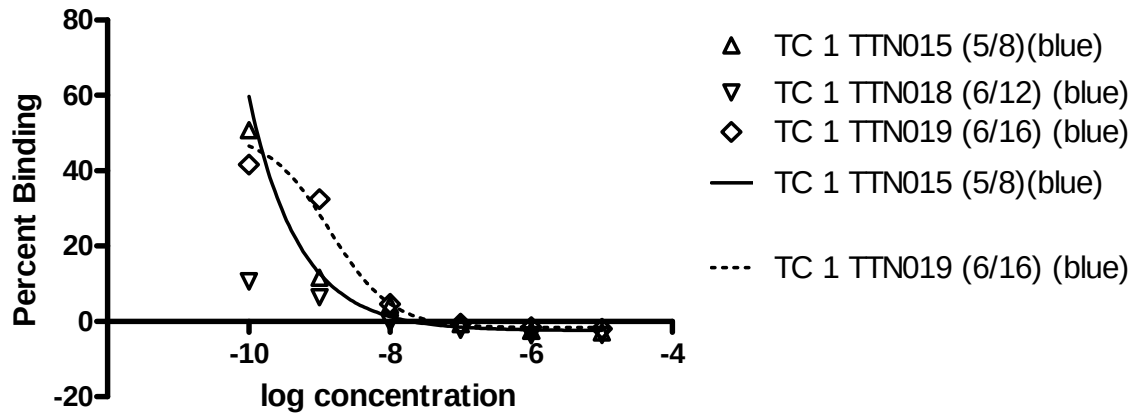
- △ TC 1 TTN015 WP (5/8)(blue)
- TC 1 RN012 WP (5/29) (yellow)
- ▽ TC 1 TTN018 WP (6/12) (blue)
- ◇ TC 1 TTN019 WP (6/16) (blue)
- TC 1 TTN015 WP (5/8)(blue)
- - - TC 1 RN012 WP (5/29) (yellow)
- . - TC 1 TTN018 WP (6/12) (blue)
- TC 1 TTN019 WP (6/16) (blue)

	TC 1 TTN015 WP (5/8)(blue)	TC 1 RN012 WP (5/29) (yellow)	TC 1 TTN018 WP (6/12) (blue)	TC 1 TTN019 WP (6/16) (blue)
logIC50				
Best-fit values				
Bottom	0.1911	-51.37	1.560	-5.181
Top	97.63	101.9	102.4	97.22
LogIC50	-5.911	-5.606	-6.129	-6.131
HillSlope	-1.172	-0.4922	-1.303	-0.8565
Std. Error				
Bottom	2.060	34.09	2.951	3.747
Top	1.844	3.527	2.190	2.409
LogIC50	0.02600	0.04662	0.03015	0.03298
HillSlope	0.1077	0.1042	0.1555	0.09326
95% Confidence Intervals				
Bottom	-4.198 to 4.580	-124.5 to 21.75	-4.815 to 7.934	-13.09 to 2.725
Top	93.70 to 101.6	94.28 to 109.4	97.66 to 107.1	92.14 to 102.3
LogIC50	-5.966 to -5.855	-5.706 to -5.506	-6.194 to -6.064	-6.201 to -6.061
HillSlope	-1.402 to -0.9426	-0.7156 to -0.2688	-1.639 to -0.9673	-1.053 to -0.6597
Goodness of Fit				
Degrees of Freedom	15	14	13	17
R ²	0.9918	0.9896	0.9884	0.9878
Absolute Sum of Squares	229.8	198.9	310.5	311.0
Sy.x	3.914	3.769	4.887	4.277
Number of points				
Analyzed	19	18	17	21
Outliers (excluded, Q=1.0%)	2	0	2	0

log concentration	TC 1 TTN015 WP (5/8)(blue)			TC 1 RN012 WP (5/29) (yellow)			TC 1 TTN018 WP (6/12) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.000	61.980	62.470							
-7.000							66.590		58.650

log concentration	TC 1 TTN015 WP (5/8)(blue)			TC 1 RN012 WP (5/29) (yellow)			TC 1 TTN018 WP (6/12) (blue)			TC 1 TTN019 WP (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	97.63	2.79	1.90									
-4.50	0.18	1.98	1.98									
-5.00	24.88	16.50	33.40									
-6.00	59.60	52.69	56.64									
-6.50	81.23	81.44	81.75									
-7.00	61.98	62.47										
-7.50	94.40	93.29										
-8.50	95.29	102.93	99.45									
-4.00				116.40	106.36	101.66						
-4.50				2.23	4.81	4.14						
-5.50				45.90	43.13	42.46						
-6.00				69.79		69.29						
-6.50				81.76	74.76	74.64						
-7.00					79.73	85.38						
-7.50				96.56		96.01						
-8.50				97.67	99.32	99.88						
-4.00							9.97	26.76	26.67			
-4.50							0.64	-0.01	0.16			
-5.50							19.51		20.04			
-6.00							36.40	35.39	40.62			
-6.50							78.64	77.64	75.50			
-7.00							66.59		58.65			
-7.50							103.51	103.63	102.80			
-8.50							90.52	106.34	101.29			
-4.00										30.00	30.60	30.60
-4.50										0.28	-0.02	-0.33
-5.50										17.96	19.44	18.42
-6.00										44.34	39.85	53.86
-6.50										60.57	68.71	68.23
-7.00										85.25	89.50	76.23
-7.50										89.43	93.32	91.18
-8.50										95.65	94.14	100.90

TRL TC 1 Acceptable

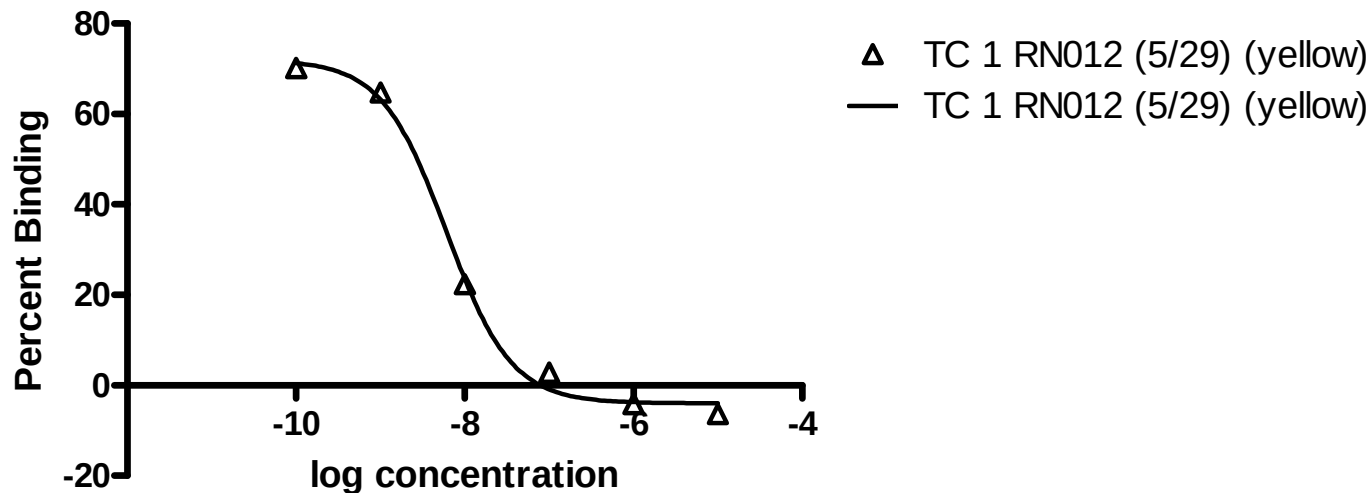


	TC 1 TTN015 (5/8)(blue)	TC 1 TTN018 (6/12) (blue)	TC 1 TTN019 (6/16) (blue)
logIC50	Ambiguous	Not converged	Ambiguous
Best-fit values			
Bottom	-2.452		-1.667
Top	~ Value too large		~ 50.01
LogIC50	-9.879		~ -12.52
HillSlope	-0.6103		-0.9972
Std. Error			
Bottom	1.268		0.5577
Top	~ 1.027e+015		~ 0.4613
LogIC50	0.1734		~ 17.45
HillSlope	0.2384		0.07240
95% Confidence Intervals			
Bottom	-5.190 to 0.2867		-2.910 to -0.4247
Top	(Very wide)		(Very wide)
LogIC50	-10.25 to -9.504		(Very wide)
HillSlope	-1.125 to -0.09532		-1.158 to -0.8359
Goodness of Fit			
Degrees of Freedom	13		10
R ²	0.9750		0.9890
Absolute Sum of Squares	170.3		16.35
Sy.x	3.619		1.279
Number of points			
Analyzed	17	16	14
Outliers (excluded, Q=1.0%)	1	0	4

log concentration	TC 1 TTN015 (5/8)(blue)			TC 1 TTN018 (6/12) (blue)			TC 1 TTN019 (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-10.000	29.440								
-9.000									40.410
-10.000							30.490	64.320	30.060

log concentration	TC 1 TTN015 (5/8)(blue)			TC 1 TTN018 (6/12) (blue)			TC 1 TTN019 (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	2.33e-003	2.48e-003	2.43e-003						
-4.00	0.33	0.36	0.36						
-5.00	-3.01	-3.12	-2.49						
-6.00	-2.41	-2.46	-2.41						
-7.00	-0.11	-1.06	-1.00						
-8.00	3.39	6.09	3.28						
-9.00	19.37	4.14	11.48						
-10.00	29.44	59.23	63.62						
-3.00	0.46-00	1.01e-003	1.06e-003						
-4.00	0.00	0.00	0.00						
-5.00	-3.36	-3.63	-4.00						
-6.00	-4.16	-3.89	-3.02						
-7.00	-2.90	-2.00	-1.72						
-8.00	-1.15	2.72	-2.71						
-9.00	6.20	6.73							
-10.00	14.12	7.08							
-3.00	0.00-00	0.00-00	0.00-00						
-4.00	0.00-00	0.00-00	0.00-00						
-5.00	-2.48	-1.50	-1.81						
-6.00	-1.79	-1.59	-1.29						
-7.00	-0.85	-0.65	-0.44						
-8.00	2.05	5.19	6.71						
-9.00	27.14	29.91	40.41						
-10.00	30.49	64.32	30.06						

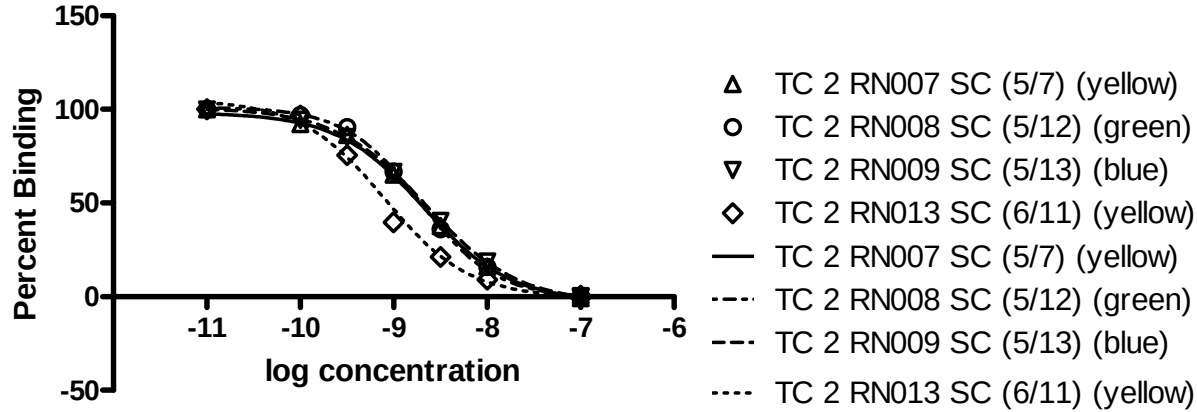
TRL TC 1 Unacceptable



	TC 1 RN012 (5/29) (yellow)
logIC50	
Best-fit values	
Bottom	-3.965
Top	72.03
LogIC50	-8.562
HillSlope	-1.129
Std. Error	
Bottom	1.509
Top	2.669
LogIC50	0.07388
HillSlope	0.1798
95% Confidence Intervals	
Bottom	-7.203 to -0.7278
Top	66.30 to 77.75
LogIC50	-8.720 to -8.404
HillSlope	-1.514 to -0.7429
Goodness of Fit	
Degrees of Freedom	14
R ²	0.9878
Absolute Sum of Squares	220.8
Sy.x	3.972
Number of points	
Analyzed	18
Outliers (excluded, Q=1.0%)	0

log concentration	TC 1 RN012 (5/29) (yellow)		
	Y1	Y2	Y3
-3.0	-3.375	-3.658	-3.658
-4.0	-3.375	-3.3	-3.3
-5.0	-5.75	-7.23	-6.24
-6.0	-4.59	-3.91	-3.97
-7.0	2.05	0.14	6.16
-8.0	21.94	22.93	22.13
-9.0	60.88	64.75	68.74
-10.0	77.46	63.77	69.42

TRL TC 2 Standard Curve

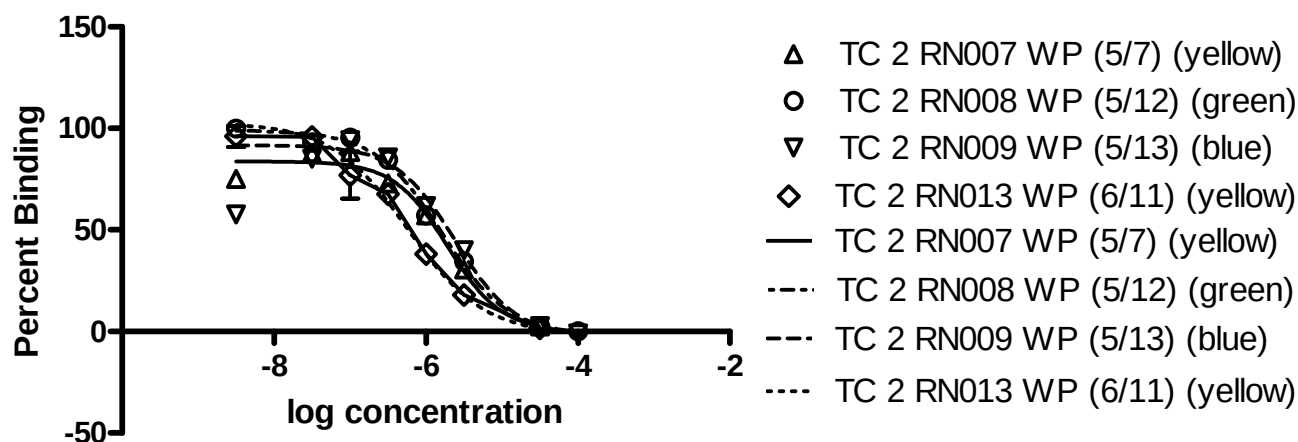


	TC 2 RN007 SC (5/7) (yellow)	TC 2 RN008 SC (5/12) (green)	TC 2 RN009 SC (5/13) (blue)	TC 2 RN013 SC (6/11) (yellow)
logIC50				
Best-fit values				
Bottom	-2.658	-0.8577	-3.426	-0.7372
Top	98.23	101.3	100.8	105.1
LogIC50	-8.722	-8.709	-8.675	-9.057
HillSlope	-0.9385	-1.080	-0.8863	-0.9605
Std. Error				
Bottom	0.7266	1.678	1.052	1.136
Top	0.8068	1.756	0.9916	1.924
LogIC50	0.009642	0.02140	0.01284	0.01888
HillSlope	0.02997	0.07489	0.03573	0.05245
95% Confidence Intervals				
Bottom	-4.184 to -1.131	-4.397 to 2.682	-5.619 to -1.232	-3.135 to 1.660
Top	96.53 to 99.92	97.56 to 105.0	98.75 to 102.9	101.0 to 109.2
LogIC50	-8.742 to -8.701	-8.755 to -8.664	-8.702 to -8.648	-9.097 to -9.017
HillSlope	-1.002 to -0.8756	-1.238 to -0.9218	-0.9608 to -0.8118	-1.071 to -0.8498
Goodness of Fit				
Degrees of Freedom	18	17	20	17
R ²	0.9990	0.9944	0.9983	0.9965
Absolute Sum of Squares	30.40	178.8	61.80	107.9
Sy.x	1.300	3.243	1.758	2.520
Number of points				
Analyzed	22	21	24	21
Outliers (excluded, Q=1.0%)	2	0	0	3

log concentration	TC 2 RN007 SC (5/7) (yellow)			TC 2 RN008 SC (5/12) (green)			TC 2 RN009 SC (5/13) (blue)			TC 2 RN013 SC (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-9.500		93.590										
-11.000			103.360									
-9.000										27.780		
-10.000										108.130		
-11.000												92.180

log concentration	TC 2 RN007 SC (5/7) (yellow)			TC 2 RN008 SC (5/12) (green)			TC 2 RN009 SC (5/13) (blue)			TC 2 RN013 SC (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	0.57	0.53	1.16									
-7.00	-0.47	-0.60	-1.19									
-8.00	15.95	17.05	15.15									
-8.50	38.23	37.07	38.04									
-9.00	67.62	65.08	62.92									
-9.50	82.43	93.59	83.45									
-10.00	90.97	91.82	93.78									
-11.00	96.96	99.68	103.36									
-7.00				1.69		-0.97						
-7.00				-0.42	0.24	-0.53						
-8.00				17.64	15.66	14.25						
-8.50				35.23	37.06	35.89						
-9.00				64.49	68.67	67.33						
-9.50				84.07	96.48	90.98						
-10.00						97.12						
-11.00				103.85	94.33	101.82						
-7.00							-0.52	-0.05	0.00			
-7.00							-0.89	0.43	1.03			
-8.00							17.82	17.62	20.72			
-8.50							37.55	39.88	43.80			
-9.00							66.59	67.49	65.91			
-9.50							83.63	84.20	88.16			
-10.00							92.66	96.61	93.93			
-11.00							102.56	99.50	97.93			
-7.00										0.70	0.87	-0.18
-7.00										-0.30	-0.20	-0.90
-8.00										8.91	8.53	9.61
-8.50										22.15	21.75	19.86
-9.00										27.78	49.07	42.31
-9.50										79.07	73.78	74.11
-10.00										108.13	95.78	86.57
-11.00										102.43	105.39	92.18

TRL TC 2 Weak Positive



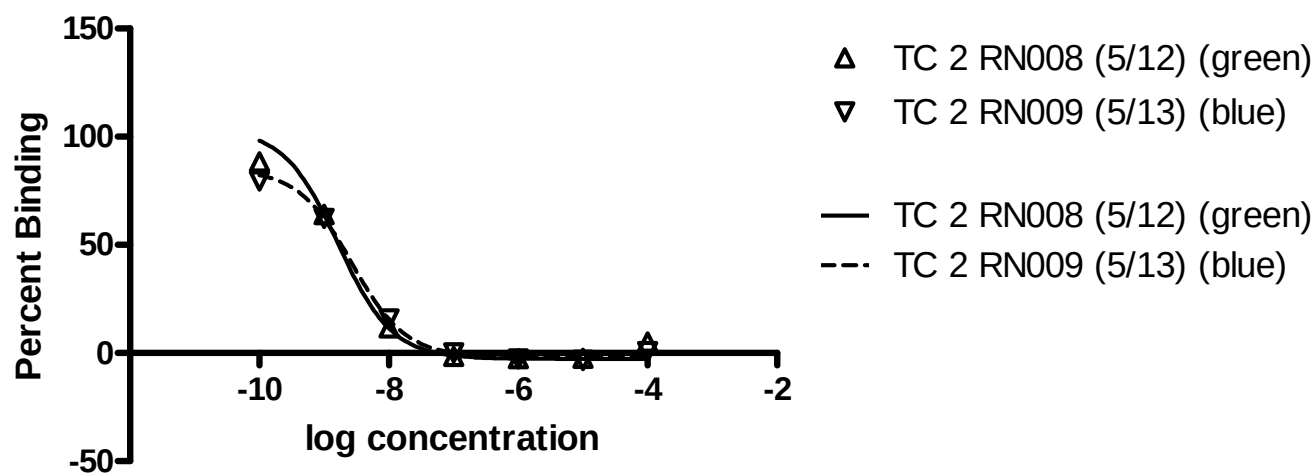
	TC 2 RN007 WP (5/7) (yellow)	TC 2 RN008 WP (5/12) (green)	TC 2 RN009 WP (5/13) (blue)	TC 2 RN013 WP (6/11) (yellow)
logIC50				
Best-fit values				
Bottom	0.1083	-1.926	-2.440	-1.602
Top	83.79	99.04	91.73	102.7
LogIC50	-5.855	-5.816	-5.704	-6.231
HillSlope	-1.229	-0.9914	-1.098	-0.8652
Std. Error				
Bottom	4.700	3.132	3.957	1.238
Top	2.348	1.917	3.420	1.129
LogIC50	0.04838	0.03144	0.04938	0.01310
HillSlope	0.2318	0.1073	0.2231	0.03781
95% Confidence Intervals				
Bottom	-9.808 to 10.02	-8.508 to 4.655	-10.79 to 5.908	-4.300 to 1.095
Top	78.83 to 88.74	95.01 to 103.1	84.51 to 98.94	100.3 to 105.2
LogIC50	-5.957 to -5.753	-5.882 to -5.750	-5.808 to -5.600	-6.259 to -6.202
HillSlope	-1.718 to -0.7397	-1.217 to -0.7659	-1.569 to -0.6275	-0.9475 to -0.7828
Goodness of Fit				
Degrees of Freedom	17	18	17	12
R ²	0.9657	0.9887	0.9754	0.9987
Absolute Sum of Squares	642.1	327.8	714.1	28.92
Sy x	6.146	4.268	6.481	1.552
Number of points				
Analyzed	21	22	21	16
Outliers (excluded, Q=1.0%)	0	0	2	4

log concentration	TC 2 RN009 WP (5/13) (blue)			TC 2 RN013 WP (6/11) (yellow)	
	Y1	Y2	Y3	Y1	Y2
-8.500	47.900	67.260			
-6.500					74.870
-7.000				93.800	54.720
-8.500				85.590	

log concentration	TC 2 RN007 WP (5/7) (yellow)			TC 2 RN008 WP (5/12) (green)			TC 2 RN009 WP (5/13) (blue)			TC 2 RN013 WP (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	41.06	85.74	80.04									
-4.50	2.23	2.64	2.31									
-5.00	29.31	32.05	29.79									
-6.00	59.58	58.72	53.01									
-6.50	76.56	63.56	78.79									
-7.00	89.43	86.04	89.22									
-7.50	86.17	90.17	87.58									
-8.50	71.74	76.74	76.99									
-4.00				69.23	0.09	60.49						
-4.50				2.84	2.22	2.45						
-5.00				30.50	34.86	37.67						
-6.00				56.95	55.71	58.64						
-6.50				81.09	84.47	88.03						
-7.00				89.88	98.76	97.85						
-7.50				94.78	94.92	89.57						
-8.50				92.72	103.75	103.39						
-4.00							-1.73	-0.94	-0.30			
-4.50							1.52	3.01	3.29			
-5.00							39.04	39.73	40.81			
-6.00							65.71	54.81	64.93			
-6.50							79.53	90.01	87.67			
-7.00							92.17	92.35	98.40			
-7.50							86.15	73.00	96.32			
-8.50							47.90	67.26				
-4.00										95.0	80.0	99.76
-4.50										1.05	2.08	1.38
-5.00										17.43	19.33	16.95
-6.00										36.61	41.52	36.14
-6.50										64.76	74.87	63.35
-7.00										93.80	54.72	82.45
-7.50											96.63	94.74
-8.50										85.59	100.66	101.89

TRL TC 2

Acceptable



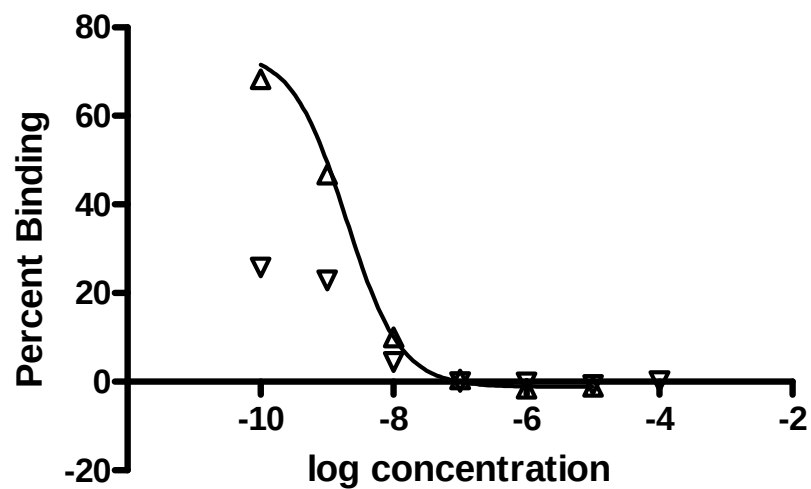
	TC 2 RN008 (5/12) (green)	TC 2 RN009 (5/13) (blue)
logIC50		
Best-fit values		
Bottom	-2.703	-1.937
Top	103.7	85.00
LogIC50	-8.774	-8.732
HillSlope	-1.037	-1.044
Std. Error		
Bottom	0.1488	0.6036
Top	0.4763	1.839
LogIC50	0.005889	0.02387
HillSlope	0.01362	0.05742
95% Confidence Intervals		
Bottom	-3.031 to -2.376	-3.217 to -0.6573
Top	102.7 to 104.8	81.10 to 88.90
LogIC50	-8.787 to -8.761	-8.783 to -8.682
HillSlope	-1.067 to -1.007	-1.166 to -0.9225
Goodness of Fit		
Degrees of Freedom	11	16
R ²	0.9999	0.9968
Absolute Sum of Squares	1.830	60.60
Sy x	0.4079	1.946
Number of points		
Analyzed	15	20
Outliers (excluded, Q=1.0%)	5	1

log concentration	TC 2 RN008 (5/12) (green)			TC 2 RN009 (5/13) (blue)	
	Y1	Y2	Y3	Y1	Y2
-4.000		5.160	4.840		
-9.000	60.260	68.010			
-10.000	68.600				
-10.000					74.180

log concentration	TC 2 RN008 (5/12) (green)			TC 2 RN009 (5/13) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	-2.674	-2.474	-2.174			
-4.00	-4.0	5.16	4.84			
-5.00	-2.44	-2.23	-2.59			
-6.00	-2.91	-2.98	-1.82			
-7.00	-1.84	-1.29	-1.51			
-8.00	11.50	11.75	11.60			
-9.00	60.26	68.01	63.96			
-10.00	68.60	97.95	98.51			
-3.00				-2.744	-2.544	-2.244
-4.00				-0.21	2.00	-0.11
-5.00				-3.38	-3.64	-3.43
-6.00				-2.54	-3.11	-2.73
-7.00				0.58	0.36	-0.61
-8.00				15.77	14.91	16.58
-9.00				62.39	65.59	58.76
-10.00				83.43	74.18	81.21

TRL TC 2

Unacceptable

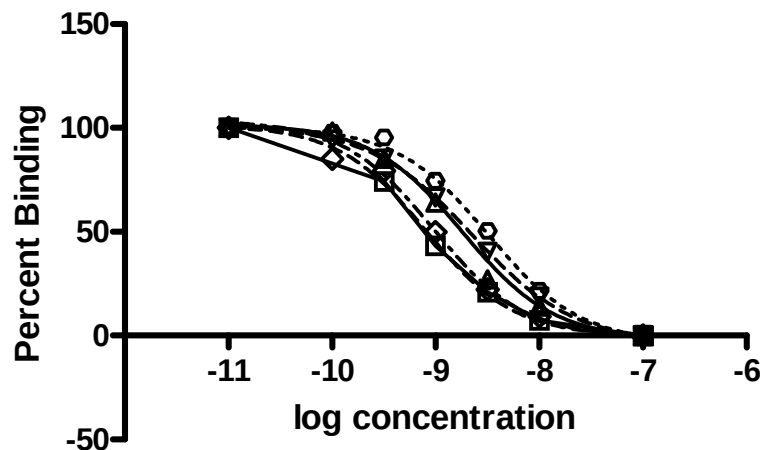


	TC 2 RN007 (5/7) (yellow)	TC 2 RN013 (6/11) (yellow)
logIC50		Not converged
Best-fit values		
Bottom	-1.155	
Top	74.66	
LogIC50	-9.008	
HillSlope	-1.065	
Std. Error		
Bottom	0.2873	
Top	1.079	
LogIC50	0.01367	
HillSlope	0.03255	
95% Confidence Intervals		
Bottom	-1.787 to -0.5224	
Top	72.28 to 77.03	
LogIC50	-9.038 to -8.978	
HillSlope	-1.137 to -0.9936	
Goodness of Fit		
Degrees of Freedom	11	
R²	0.9991	
Absolute Sum of Squares	6.898	
Sy x	0.7919	
Number of points		
Analyzed	15	19
Outliers (excluded, Q=1.0%)	2	2

log concentration	TC 2 RN007 (5/7) (yellow)			TC 2 RN013 (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3
-9.000		40.920				
-10.000	65.100					
-9.000						33.320
-10.000						36.720

log concentration	TC 2 RN007 (5/7) (yellow)			TC 2 RN013 (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	269.86	291.65	269.16			
-4.00	26.12	45.22	20.22			
-5.00	-1.69	-1.61	0.02			
-6.00	-1.68	-1.92	-1.04			
-7.00	0.28	1.18	0.04			
-8.00	8.95	10.31	10.85			
-9.00	50.17	40.92	49.31			
-10.00	65.10	71.54				
-3.00				110.75	122.26	120.00
-4.00				0.09	0.66	-0.29
-5.00				-1.00	-0.38	-0.69
-6.00				-0.47	0.03	-0.03
-7.00				-0.25	0.01	0.13
-8.00				3.25	4.33	5.77
-9.00				19.12	16.07	33.32
-10.00				20.00	20.63	36.72

TRL TC 3 Standard Curve



- ▲ TC 3 TTN015 SC (5/8) (blue)
- ▼ TC 3 RN009 SC (5/13) (blue)
- TC 3 RN012 SC (5/29) (yellow)
- ◇ TC 3 TTN018 SC (6/12) (blue)
- TC 3 TTN019 SC (6/16) (blue)
- TC 3 TTN015 SC (5/8) (blue)
- TC 3 RN009 SC (5/13) (blue)
- TC 3 RN012 SC (5/29) (yellow)
- .-.- TC 3 TTN018 SC (6/12) (blue)
- TC 3 TTN019 SC (6/16) (blue)

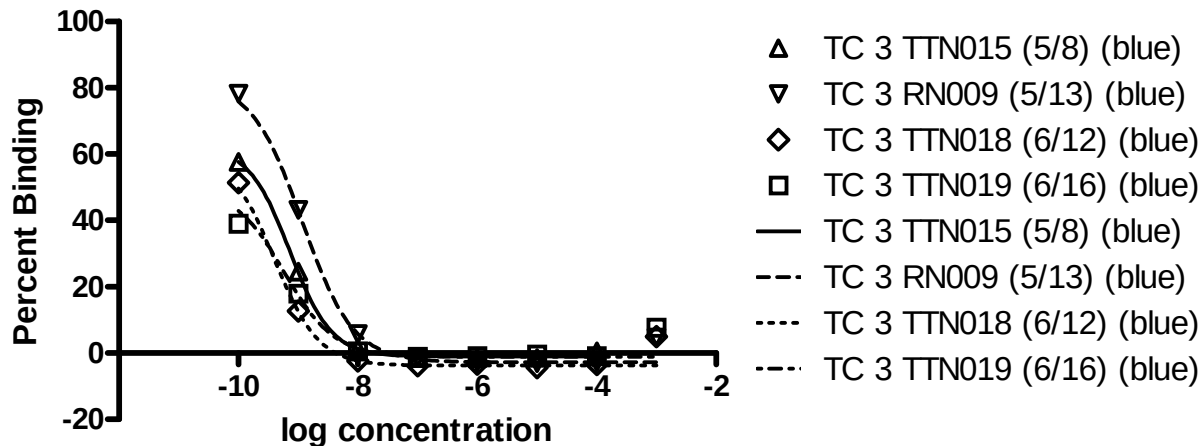
	TC 3 TTN015 SC (5/8) (blue)	TC 3 RN009 SC (5/13) (blue)	TC 3 RN012 SC (5/29) (yellow)	TC 3 TTN018 SC (6/12) (blue)	TC 3 TTN019 SC (6/16) (blue)
logIC50					
Best-fit values					
Bottom	-1.938	-3.426	-3.713	-0.8833	-0.3384
Top	101.9	100.8	100.5	103.6	101.5
LogIC50	-8.743	-8.675	-8.515	-8.999	-9.085
HillSlope	-0.9835	-0.8863	-0.9736	-0.9948	-1.018
Std. Error					
Bottom	0.9579	1.052	0.8891	1.463	1.581
Top	1.001	0.9916	0.7193	2.400	2.154
LogIC50	0.01380	0.01284	0.01022	0.02211	0.02342
HillSlope	0.04016	0.03573	0.03367	0.07026	0.07764
95% Confidence Intervals					
Bottom	-3.943 to 0.06704	-5.619 to -1.232	-5.574 to -1.853	-3.971 to 2.204	-3.691 to 3.014
Top	99.76 to 104.0	98.75 to 102.9	98.97 to 102.0	98.53 to 108.7	96.90 to 106.0
LogIC50	-8.772 to -8.715	-8.702 to -8.648	-8.537 to -8.494	-9.046 to -8.952	-9.134 to -9.035
HillSlope	-1.068 to -0.8995	-0.9608 to -0.8118	-1.044 to -0.9031	-1.143 to -0.8466	-1.182 to -0.8531
Goodness of Fit					
Degrees of Freedom	19	20	19	17	16
R ²	0.9983	0.9983	0.9989	0.9937	0.9932
Absolute Sum of Squares	66.11	61.80	40.72	179.2	181.5
Sy.x	1.865	1.758	1.464	3.247	3.368
Number of points					
Analyzed	23	24	23	21	20
Outliers (excluded, Q=1.0%)	1	0	1	1	0

log concentration	TC 3 TTN015 SC (5/8) (blue)			TC 3 RN009 SC (5/13) (blue)			TC 3 RN012 SC (5/29) (yellow)			TC 3 TTN018 SC (6/12) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-8.500		7.410										
-9.500								106.200				
-11.000											91.320	

log concentration	TC 3 TTN015 SC (5/8) (blue)			TC 3 RN009 SC (5/13) (blue)			TC 3 RN012 SC (5/29) (yellow)			TC 3 TTN018 SC (6/12) (blue)			TC 3 TTN019 SC (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	0.18	0.38	-0.31												
-7.00	-0.60	0.50	-0.10												
-8.00	15.87	15.30	11.31												
-8.50	35.84	7.41	38.11												
-9.00	63.70	64.51	64.19												
-9.50	83.90	89.18	82.67												
-10.00	97.82	98.22	98.91												
-11.00	98.71	100.60	100.69												
-7.00				-0.52	-0.05	0.00									
-7.00				-0.89	0.43	1.03									
-8.00				17.82	17.62	20.72									
-8.50				37.55	39.88	43.80									
-9.00				66.59	67.49	65.91									
-9.50				83.63	84.20	88.16									
-10.00				92.66	96.61	93.93									
-11.00				102.56	99.50	97.93									
-7.00							0.14	-1.45	0.57						
-7.00							1.90	-1.50	0.40						
-8.00							21.58	21.21	21.76						
-8.50							49.64	51.36	50.13						
-9.00							75.07	75.01	73.90						
-9.50							89.07	106.20	91.10						
-10.00							99.57	97.18	96.44						
-11.00							98.16	99.20	102.64						
-7.00										0.28	0.20	-0.01			
-7.00										-0.40	-0.40	0.30			
-8.00										9.11	8.93	9.93			
-8.50										21.02	24.78	21.00			
-9.00										51.99	49.47	48.31			
-9.50										72.94	82.89	82.61			
-10.00												85.15			
-11.00										104.36	91.32	104.32			
-7.00														0.02	0.13
-7.00													-0.30	0.50	-0.40
-8.00													6.04	7.02	9.39
-8.50													20.68	19.23	22.95
-9.00													46.15	41.09	42.62
-9.50													66.64	78.88	77.19
-10.00															
-11.00													103.78	101.82	94.40

TRL TC 3
Weak Positive

TRL TC 3 Acceptable

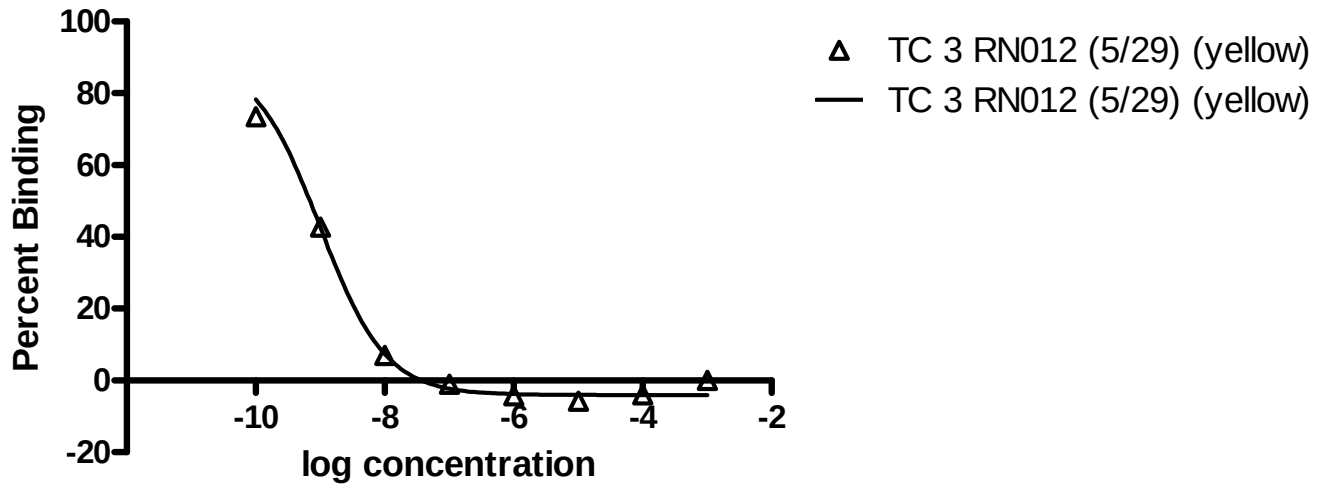


	TC 3 TTN015 (5/8) (blue)	TC 3 RN009 (5/13) (blue)	TC 3 TTN018 (6/12) (blue)	TC 3 TTN019 (6/16) (blue)
logIC50				Ambiguous
Best-fit values				
Bottom	-1.050	-2.756	-3.789	-1.156
Top	62.59	82.20	59.93	~ 50.01
LogIC50	-9.627	-9.141	-10.01	~ -12.74
HillSlope	-1.247	-1.020	-1.177	-1.033
Std. Error				
Bottom	0.3522	0.4406	0.1671	0.4975
Top	2.283	1.862	3.715	~ 0.2363
LogIC50	0.04554	0.01886	0.01779	~ 8.006
HillSlope	0.1576	0.06033	0.1205	0.09758
95% Confidence Intervals				
Bottom	-1.793 to -0.3067	-3.690 to -1.822	-4.145 to -3.433	-2.211 to -0.1015
Top	57.77 to 67.41	78.25 to 86.15	52.01 to 67.85	(Very wide)
LogIC50	-9.723 to -9.531	-9.181 to -9.101	-10.05 to -9.975	(Very wide)
HillSlope	-1.579 to -0.9141	-1.147 to -0.8917	-1.434 to -0.9204	-1.239 to -0.8257
Goodness of Fit				
Degrees of Freedom	17	16	15	16
R ²	0.9974	0.9976	0.9991	0.9882
Absolute Sum of Squares	23.69	32.71	4.646	44.53
Sy x	1.180	1.430	0.5565	1.668
Number of points				
Analyzed	21	20	19	20
Outliers (excluded, Q=1.0%)	0	4	3	4

log concentration	TC 3 RN009 (5/13) (blue)			TC 3 TTN018 (6/12) (blue)			TC 3 TTN019 (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.000	3.200	5.380	5.460						
-10.000		83.090							
-3.000				4.800		5.100			
-10.000						54.500			
-3.000							7.900	6.700	8.300
-10.000								32.500	

log concentration	TC 3 TTN015 (5/8) (blue)			TC 3 RN009 (5/13) (blue)			TC 3 TTN018 (6/12) (blue)			TC 3 TTN019 (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00												
-4.00	-0.20	1.60	0.30									
-5.00	-0.90	-1.70	-1.90									
-6.00	-1.50	-1.80	-1.70									
-7.00	-1.70	-1.40	-1.50									
-8.00	1.70	0.70	1.70									
-9.00	23.70	24.30	25.50									
-10.00	57.30	59.80	55.80									
-3.00				3.20	5.38	5.46						
-4.00				-2.78	-3.49	-2.07						
-5.00				-3.80	-2.25	-3.00						
-6.00				-2.38	-2.76	-2.91						
-7.00				-1.87	-0.43	-2.10						
-8.00				6.77	4.19	6.27						
-9.00				44.79	45.14	39.65						
-10.00				74.17	83.09	77.45						
-3.00							4.80	6.00	5.10			
-4.00							-3.20	-3.70	-3.60			
-5.00							-4.40	-4.00	-4.60			
-6.00							-3.80	-3.00	-3.40			
-7.00							-4.40	-3.60	-3.50			
-8.00							-2.30	-2.50	-2.20			
-9.00							11.70		13.60			
-10.00							49.60	49.80	54.50			
-3.00										7.9	6.7	8.3
-4.00										-1.6	-0.3	-1.1
-5.00										-2.4	2.4	-1.5
-6.00										-0.5	-1.3	-1.2
-7.00										-1.6	-0.9	-1.0
-8.00										0.3	0.2	1.0
-9.00										15.4	21.0	17.3
-10.00										44.3	32.5	40.3

TRL TC 3 Unacceptable



TC 3 RN012 (5/29) (yellow)	
logIC50	
Best-fit values	
Bottom	-4.019
Top	89.75
LogIC50	-9.160
HillSlope	-0.8579
Std. Error	
Bottom	0.5014
Top	3.025
LogIC50	0.02265
HillSlope	0.05637
95% Confidence Intervals	
Bottom	-5.077 to -2.961
Top	83.37 to 96.13
LogIC50	-9.208 to -9.112
HillSlope	-0.9769 to -0.7390
Goodness of Fit	
Degrees of Freedom	17
R ²	0.9969
Absolute Sum of Squares	45.66
Sy.x	1.639
Number of points	
Analyzed	21
Outliers (excluded, Q=1.0%)	1

log concentration	N012 (5/29) (yellow)
	Y1
-10.000	63.800

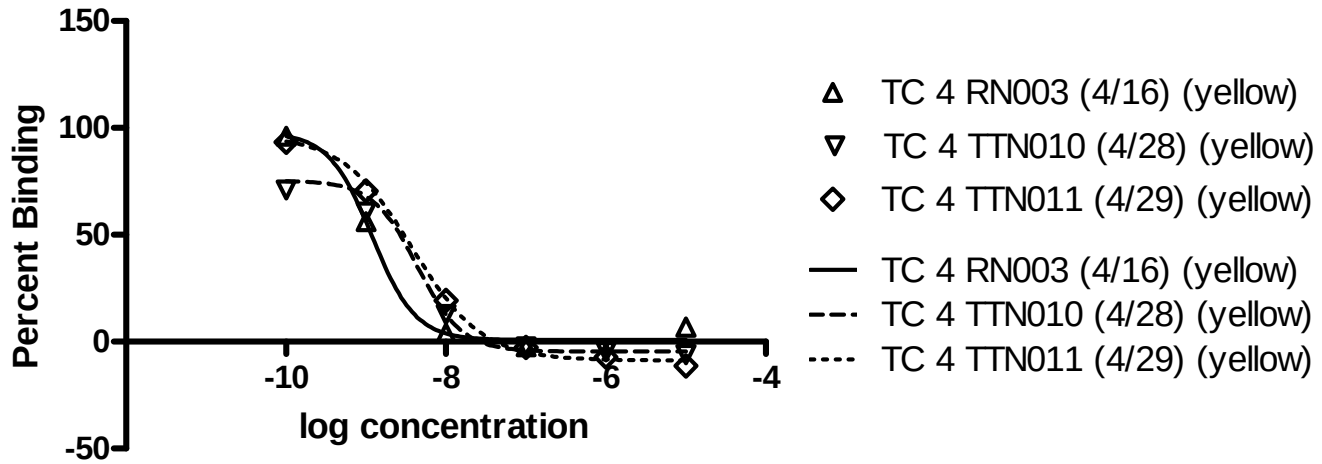
log concentration	TC 3 RN012 (5/29) (yellow)		
	Y1	Y2	Y3
-3.00	0.00	4.70	22.80
-4.00	-4.50	-4.60	-2.70
-5.00	-6.20	-6.20	-5.00
-6.00	-4.50	-4.10	-4.20
-7.00	0.60	-1.90	-1.90
-8.00	6.00	7.10	7.70
-9.00	41.20	43.10	43.90
-10.00	63.80	77.40	79.00

TRL TC 4

Standard Curve 1

TRL TC 4
Weak Positive 1

TRL TC 4 Unacceptable 1



	TC 4 RN003 (4/16) (yellow)	TC 4 TTN010 (4/28) (yellow)	TC 4 TTN011 (4/29) (yellow)
logIC50			
Best-fit values			
Bottom	0.7379	-4.651	-8.776
Top	97.82	75.27	96.25
LogIC50	-8.932	-8.574	-8.524
HillSlope	-1.609	-1.555	-1.000
Std. Error			
Bottom	5.031	0.7052	1.363
Top	7.235	2.173	2.827
LogIC50	0.07665	0.04650	0.04236
HillSlope	1.155	0.1577	0.09659
95% Confidence Intervals			
Bottom	-11.57 to 13.05	-6.203 to -3.099	-11.72 to -5.833
Top	80.11 to 115.5	70.49 to 80.05	90.14 to 102.4
LogIC50	-9.119 to -8.744	-8.676 to -8.471	-8.616 to -8.433
HillSlope	-4.436 to 1.217	-1.902 to -1.208	-1.209 to -0.7918
Goodness of Fit			
Degrees of Freedom	6	11	13
R ²	0.9758	0.9963	0.9942
Absolute Sum of Squares	424.8	46.30	165.7
Sy.x	8.414	2.052	3.570
Number of points			
Analyzed	10	15	17
Outliers (excluded, Q=1.0%)	0	3	1

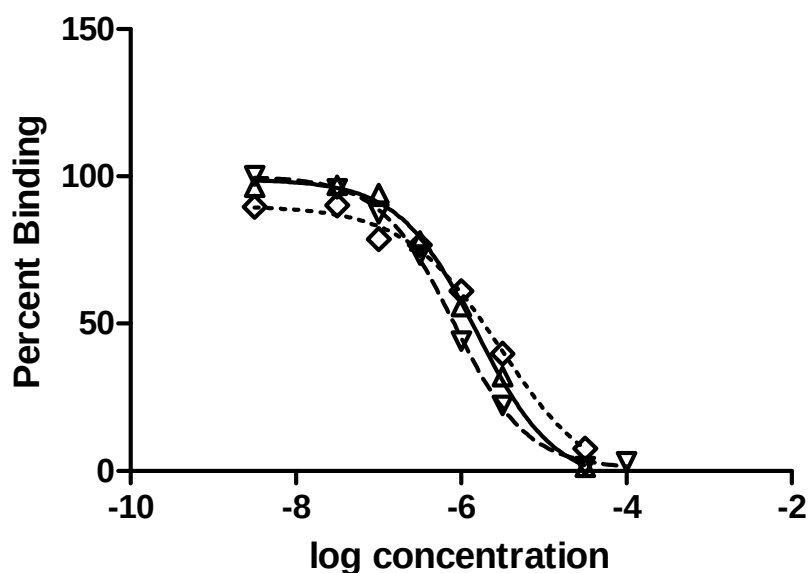
log concentration	TC 4 TTN010 (4/28) (yellow)			TTN011 (4/29) (y)
	Y1	Y2	Y3	Y1
-9.000		45.150		
-10.000	88.320		49.950	
-8.000				60.860

log concentration	TC 4 RN003 (4/16) (yellow)			TC 4 TTN010 (4/28) (yellow)			TC 4 TTN011 (4/29) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	94.84	83.17	110.15						
-4.00	15.00	15.00	15.00						
-5.00			6.73						
-6.00		15.00	15.00						
-7.00	-1.49		-3.19						
-8.00	3.56	4.39							
-9.00		55.40	56.80						
-10.00	94.84	83.17	110.15						
-3.00				5.00	30	30.66			
-4.00				50.00	74.43	62.44			
-5.00				-6.25	-4.65	-7.35			
-6.00				-4.89	-5.39	-3.91			
-7.00				-3.17	-0.96	-3.05			
-8.00				13.18	11.83	12.69			
-9.00				64.83	45.15	71.59			
-10.00				88.32	74.67	49.95			
-3.00							7.90	6.90	3.760
-4.00							34.20	40.20	72.50
-5.00							-13.90	-10.20	-10.38
-6.00							-7.39	-7.74	-6.51
-7.00							-3.17	1.23	-6.33
-8.00							17.77	23.92	16.18
-9.00							60.86	74.76	75.81
-10.00							87.77	94.64	97.27

TRL TC 4

Standard Curve 2

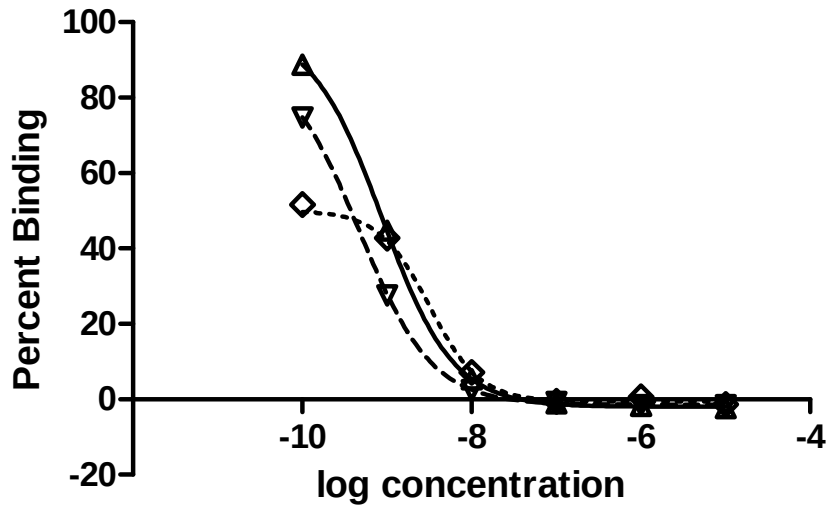
TRL TC 4 Weak Positive 2



	TC 4 TTN012 WP (4/30) (yellow)	TC 4 TTN013 WP (5/5) (yellow)	TC 4 TTN014 WP (5/7) (yellow)
logIC50			
Best-fit values			
Bottom	-4.160	0.7121	-6.238
Top	98.92	99.98	89.98
LogIC50	-5.867	-6.086	-5.729
HillSlope	-0.9223	-0.9817	-0.7546
Std. Error			
Bottom	4.826	1.286	10.69
Top	2.422	1.311	3.418
LogIC50	0.03778	0.01877	0.05499
HillSlope	0.1237	0.05653	0.1715
95% Confidence Intervals			
Bottom	-14.34 to 6.024	-1.971 to 3.395	-29.03 to 16.55
Top	93.81 to 104.0	97.25 to 102.7	82.69 to 97.26
LogIC50	-5.946 to -5.787	-6.125 to -6.046	-5.846 to -5.612
HillSlope	-1.183 to -0.6613	-1.100 to -0.8638	-1.120 to -0.3891
Goodness of Fit			
Degrees of Freedom	17	20	15
R ²	0.9832	0.9961	0.9730
Absolute Sum of Squares	421.9	137.0	412.2
Sy.x	4.982	2.617	5.242
Number of points			
Analyzed	21	24	19
Outliers (excluded, Q=1.0%)	0	0	0

log concentration	TC 4 TTN012 WP (4/30) (yellow)			TC 4 TTN013 WP (5/5) (yellow)			TC 4 TTN014 WP (5/7) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00									
-4.50	0.86	1.34	1.73						
-5.00	31.82	33.92	30.39						
-6.00	53.53	56.76	57.06						
-6.50	81.31	72.11	80.75						
-7.00	88.24	94.56	99.63						
-7.50	92.08	99.84	99.00						
-8.50	98.61	85.60	104.76						
-4.00				1.97	2.26	5.04			
-4.50				1.17	1.55	1.73			
-5.00				21.29	22.48	22.88			
-6.00				43.05	45.11	43.88			
-6.50				74.50	72.66	72.93			
-7.00				83.98	90.30	87.81			
-7.50				90.70	100.72	96.03			
-8.50				96.93	101.14	102.47			
-4.00							100.60	100.60	100.60
-4.50							11.94	4.67	6.22
-5.00							40.62	37.60	41.20
-6.00							63.83	61.71	57.53
-6.50							69.68	79.20	81.19
-7.00							88.46	75.34	72.45
-7.50							93.86	86.59	
-8.50							86.66		92.70

TRL TC 4 Unacceptable 2

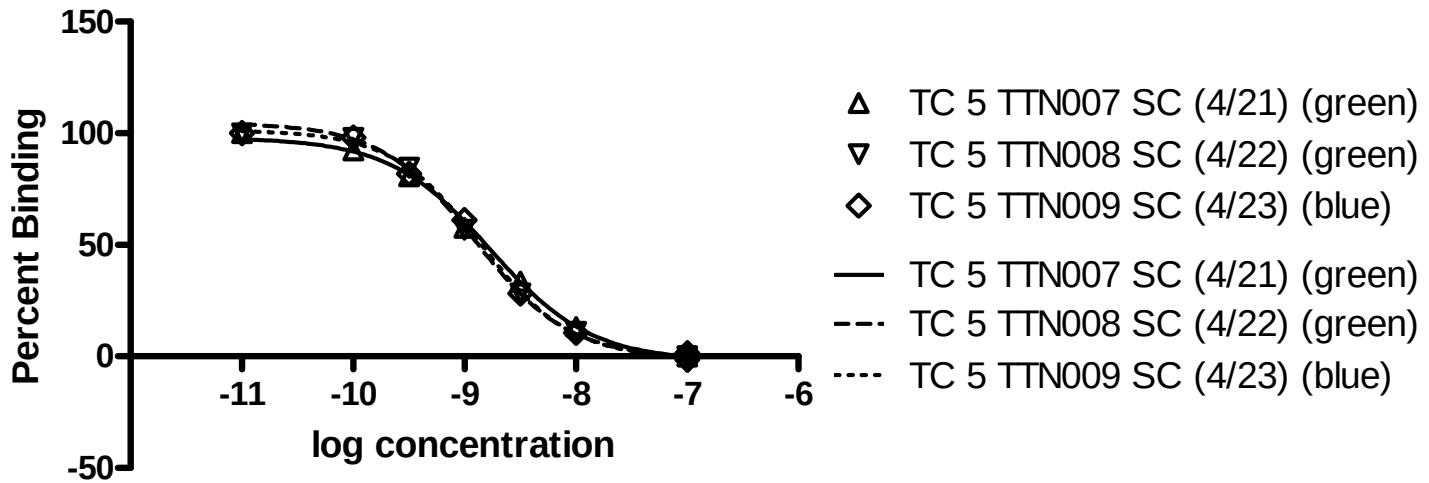


	TC 4 TTN012 (4/30) (yellow)	TC 4 TTN013 (5/5) (yellow)	TC 4 TTN014 (5/7) (yellow)
logIC50			Ambiguous
Best-fit values			
Bottom	-1.981	-1.419	-0.5568
Top	98.25	90.36	~ 50.01
LogIC50	-9.088	-9.425	~ -11.03
HillSlope	-1.039	-1.016	~ -1.458
Std. Error			
Bottom	0.3844	0.1269	3.264
Top	1.698	1.670	~ 8.954
LogIC50	0.01124	0.01087	~ 246.1
HillSlope	0.05107	0.03122	~ 12.17
95% Confidence Intervals			
Bottom	-2.805 to -1.156	-1.699 to -1.140	-7.607 to 6.493
Top	94.61 to 101.9	86.69 to 94.04	(Very wide)
LogIC50	-9.112 to -9.064	-9.449 to -9.401	(Very wide)
HillSlope	-1.149 to -0.9295	-1.085 to -0.9477	(Very wide)
Goodness of Fit			
Degrees of Freedom	14	11	13
R ²	0.9992	0.9999	0.8796
Absolute Sum of Squares	15.82	1.348	756.2
Sy.x	1.063	0.3501	7.627
Number of points			
Analyzed	18	15	17
Outliers (excluded, Q=1.0%)	0	2	1

	log concentration	TC 4 TTN013 (5/5) (yellow)			TC 4 TTN014 (5/7) (yellow)		
		Y1	Y2	Y3	Y1	Y2	Y3
	-9.000	24.410		30.190			
	-10.000						76.500

log concentration	TC 4 TTN012 (4/30) (yellow)			TC 4 TTN013 (5/5) (yellow)			TC 4 TTN014 (5/7) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	37.00	46.65	10.14						
-4.00	10.70	0.74	11.60						
-5.00	-2.50	-2.38	-2.11						
-6.00	-2.35	-0.94	-1.87						
-7.00	-0.40	-1.33	-1.42						
-8.00	5.48	6.05	4.58						
-9.00	44.65	44.29	45.22						
-10.00	86.44	91.30	88.48						
-3.00				60.60	5	30.00			
-4.00				10.10	10.30	11.60			
-5.00				-1.46	-1.70	-1.39			
-6.00				-1.59	-1.64	-1.50			
-7.00				-0.49	-0.47	-1.01			
-8.00				2.08	2.51	2.89			
-9.00				24.41	28.01	30.19			
-10.00				75.12		74.47			
-3.00							0	30.0	20.60
-4.00							10.10	10.30	11.60
-5.00							4.03	-3.69	-4.27
-6.00							5.38	-1.11	-2.21
-7.00							-2.01	1.59	-1.11
-8.00							5.70	6.09	9.62
-9.00							44.28	53.03	30.97
-10.00							48.98	29.49	76.50

TRL TC 5 Standard Curve

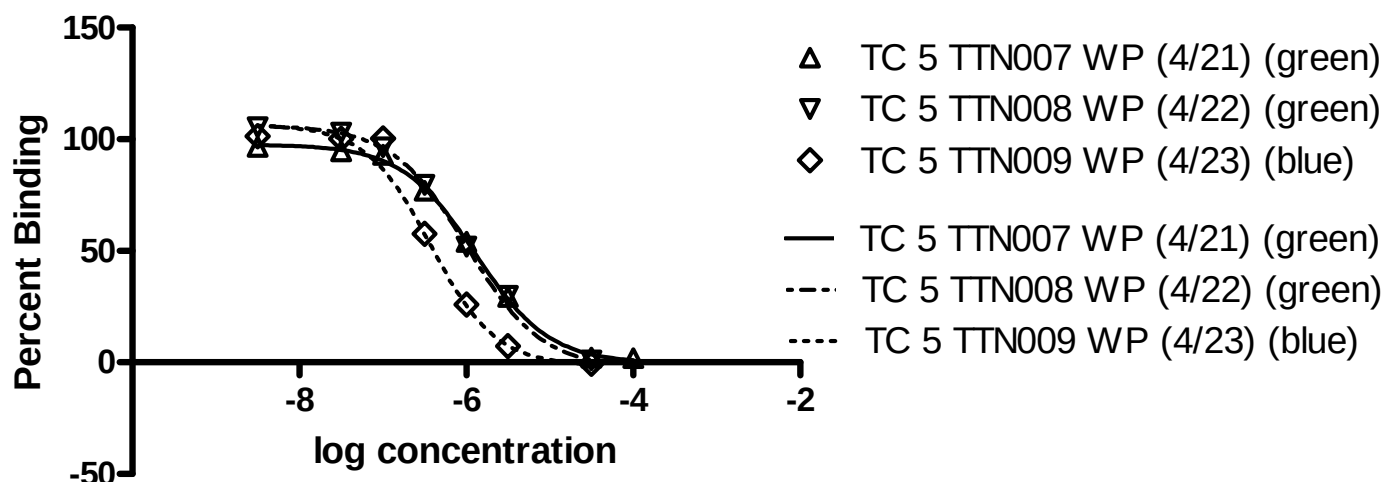


	TC 5 TTN007 SC (4/21) (green)	TC 5 TTN008 SC (4/22) (green)	TC 5 TTN009 SC (4/23) (blue)
logIC50			
Best-fit values			
Bottom	-1.992	-0.7962	-0.9623
Top	97.97	104.6	101.3
LogIC50	-8.806	-8.876	-8.848
HillSlope	-0.9609	-1.034	-1.080
Std. Error			
Bottom	0.7422	0.8682	1.111
Top	0.9282	1.218	1.294
LogIC50	0.01138	0.01252	0.01618
HillSlope	0.03297	0.04164	0.05529
95% Confidence Intervals			
Bottom	-3.552 to -0.4330	-2.613 to 1.021	-3.279 to 1.355
Top	96.02 to 99.92	102.0 to 107.1	98.63 to 104.0
LogIC50	-8.830 to -8.782	-8.903 to -8.850	-8.882 to -8.814
HillSlope	-1.030 to -0.8916	-1.121 to -0.9464	-1.195 to -0.9643
Goodness of Fit			
Degrees of Freedom	18	19	20
R ²	0.9988	0.9981	0.9969
Absolute Sum of Squares	37.36	68.73	121.5
Sy x	1.441	1.902	2.465
Number of points			
Analyzed	22	23	24
Outliers (excluded, Q=1.0%)	2	1	0

	log concentration	TC 5 TTN007 SC (4/21) (green)			TC 5 TTN008 SC (4/22) (green)
		Y1	Y2	Y3	Y1
	-9.000	50.960			
	-11.000			105.870	
	-11.000				94.230

log concentration	TC 5 TTN007 SC (4/21) (green)			TC 5 TTN008 SC (4/22) (green)			TC 5 TTN009 SC (4/23) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	0.50	-0.54	0.47						
-7.00		-0.51	0.07						
-8.00	13.65	12.67	13.42						
-8.50	32.23	35.82	32.46						
-9.00	50.96	61.27	60.55						
-9.50	82.03	78.84	81.46						
-10.00	88.95	93.69	94.24						
-11.00	98.14	95.99	105.87						
-7.00				0.24	0.21	-0.33			
-7.00				-0.38	0.17	0.09			
-8.00				10.15	12.31	10.65			
-8.50				29.11	28.34	27.54			
-9.00				56.87	55.55	57.84			
-9.50				84.20	84.13	85.61			
-10.00				92.29	101.22	100.14			
-11.00				94.23	104.02	101.74			
-7.00							-1.44	0.66	5.21
-7.00							-2.45	-1.08	-0.90
-8.00							9.03	9.69	12.93
-8.50							26.76	29.73	28.09
-9.00							61.87	58.97	62.57
-9.50							82.52	79.33	83.94
-10.00							99.71	97.32	97.14
-11.00							100.86	99.03	100.11

TRL TC 5 Weak Positive



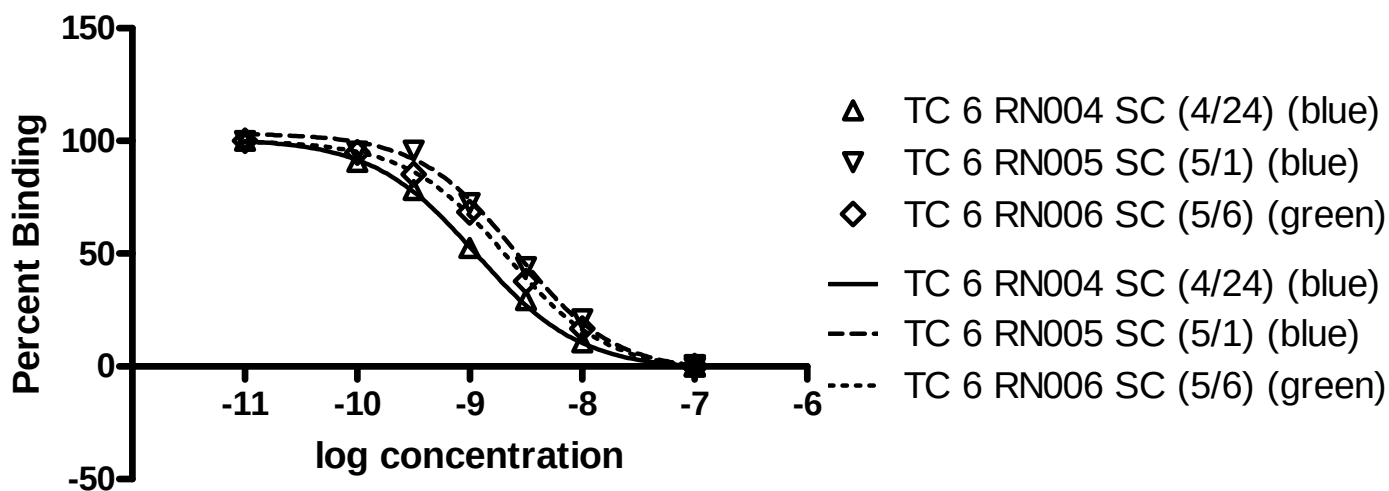
	TC 5 TTN007 WP (4/21) (green)	TC 5 TTN008 WP (4/22) (green)	TC 5 TTN009 WP (4/23) (blue)
logIC50			
Best-fit values			
Bottom	-0.3970	-2.750	-1.554
Top	97.69	106.3	106.5
LogIC50	-5.914	-5.962	-6.389
HillSlope	-0.9852	-0.9699	-1.119
Std. Error			
Bottom	1.529	1.639	0.7973
Top	1.315	1.021	0.8262
LogIC50	0.02094	0.01493	0.009092
HillSlope	0.06666	0.04814	0.03976
95% Confidence Intervals			
Bottom	-3.586 to 2.792	-6.225 to 0.7245	-3.276 to 0.1681
Top	94.94 to 100.4	104.1 to 108.4	104.7 to 108.3
LogIC50	-5.958 to -5.871	-5.993 to -5.930	-6.409 to -6.370
HillSlope	-1.124 to -0.8461	-1.072 to -0.8679	-1.205 to -1.033
Goodness of Fit			
Degrees of Freedom	20	16	13
R ²	0.9953	0.9977	0.9992
Absolute Sum of Squares	161.3	66.89	23.09
Sy x	2.840	2.045	1.333
Number of points			
Analyzed	24	20	17
Outliers (excluded, Q=1.0%)	0	1	4

log concentration	TC 5 TTN008 WP (4/22) (green)			TC 5 TTN009 WP (4/23) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3
-5.500	39.020					
-7.000				99.370	103.000	98.720
-8.500						92.660

log concentration	TC 5 TTN007 WP (4/21) (green)			TC 5 TTN008 WP (4/22) (green)			TC 5 TTN009 WP (4/23) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	0.99	1.27	3.54						
-4.50	2.13	1.88	2.28						
-5.50	29.39	29.79	29.22						
-6.00	56.53	49.15	56.33						
-6.50	78.81	75.66	76.06						
-7.00	91.80	93.20	94.24						
-7.50	89.96	98.03	95.53						
-8.50	98.95	99.06	91.94						
-4.00				0.82	0.62	1.14			
-4.50				39.02	25.65	24.75			
-5.50				50.30	51.85	53.78			
-6.00				75.90	81.36	81.52			
-6.50				93.39	97.96	97.98			
-7.00				100.27	102.68	105.72			
-7.50				103.56	107.51	105.19			
-8.50							97.03	97.7	97.9
-4.00							-0.54	-1.10	-0.31
-4.50							8.43	6.31	6.85
-5.50							23.65	27.80	26.20
-6.00							58.88	55.45	58.18
-6.50							99.37	103.00	98.72
-7.00							100.07	99.23	101.53
-7.50							106.67	105.09	92.66

TRL TC 5
Acceptable

TRL TC 6 Standard Curve

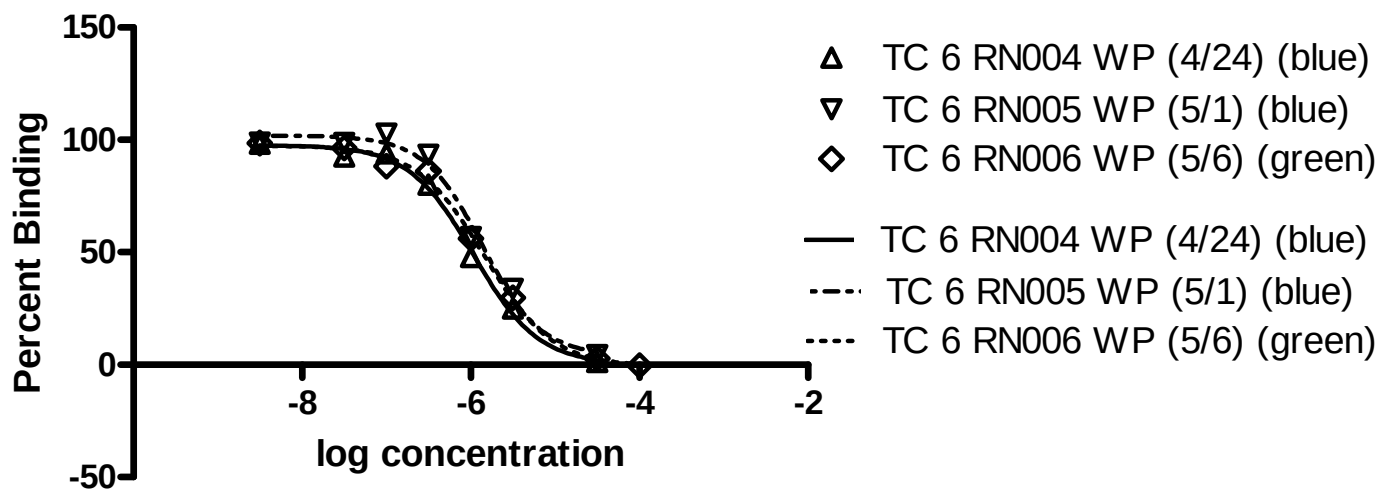


	TC 6 RN004 SC (4/24) (blue)	TC 6 RN005 SC (5/1) (blue)	TC 6 RN006 SC (5/6) (green)
logIC50			
Best-fit values			
Bottom	-1.391	-2.306	-2.348
Top	101.0	103.4	100.1
LogIC50	-8.945	-8.577	-8.690
HillSlope	-0.9396	-1.005	-0.9725
Std. Error			
Bottom	0.7913	1.551	1.040
Top	0.9270	1.684	1.014
LogIC50	0.01124	0.01989	0.01465
HillSlope	0.03226	0.06716	0.04213
95% Confidence Intervals			
Bottom	-3.061 to 0.2783	-5.579 to 0.9671	-4.525 to -0.1702
Top	99.08 to 103.0	99.81 to 106.9	98.00 to 102.2
LogIC50	-8.969 to -8.921	-8.619 to -8.535	-8.721 to -8.659
HillSlope	-1.008 to -0.8715	-1.146 to -0.8631	-1.061 to -0.8844
Goodness of Fit			
Degrees of Freedom	17	17	19
R ²	0.9988	0.9961	0.9981
Absolute Sum of Squares	38.28	135.1	70.75
Sy x	1.501	2.819	1.930
Number of points			
Analyzed	21	21	23
Outliers (excluded, Q=1.0%)	1	1	0

log concentration	TC 6 RN004 SC (4/24) (blue)			TC 6 RN005 SC (5/1) (blue)
	Y1	Y2	Y3	Y1
-8.500		34.560		
-11.000				92.990

log concentration	TC 6 RN004 SC (4/24) (blue)			TC 6 RN005 SC (5/1) (blue)			TC 6 RN006 SC (5/6) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00		0.59	-0.23						
-7.00	0.12	-0.25	-0.22						
-8.00	12.10	10.84	9.48						
-8.50	26.97	34.56	26.77						
-9.00	52.06	55.14	50.68						
-9.50	77.93	79.59	77.13						
-10.00	91.79	89.70							
-11.00	96.93	101.60	101.48						
-7.00				0.70	0.23	0.75			
-7.00				-1.19	-0.03	-0.46			
-8.00				22.49	20.51	19.82			
-8.50				44.20	44.16	43.99			
-9.00				71.89		73.01			
-9.50				92.99	98.64	95.49			
-10.00				92.81		97.73			
-11.00				92.99	105.18	101.82			
-7.00							0.19	0.05	0.17
-7.00							-0.58	-0.06	0.23
-8.00							15.38	17.16	17.68
-8.50							35.84		39.57
-9.00							65.59	69.07	70.38
-9.50							84.28	84.88	86.79
-10.00							94.48	95.62	94.79
-11.00							96.33	104.02	99.65

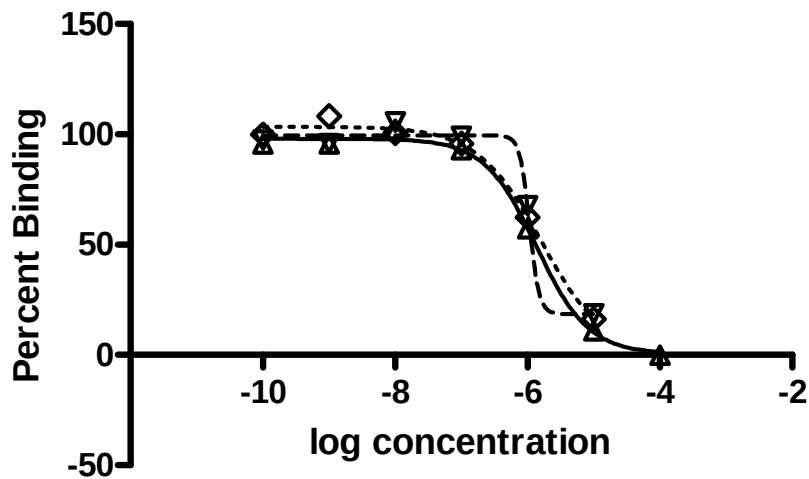
TRL TC 6 Weak Positive



	TC 6 RN004 WP (4/24) (blue)	TC 6 RN005 WP (5/1) (blue)	TC 6 RN006 WP (5/6) (green)
logIC50			
Best-fit values			
Bottom	0.1827	3.968	-0.8722
Top	97.64	101.9	97.47
LogIC50	-5.983	-5.818	-5.862
HillSlope	-1.138	-1.267	-1.086
Std. Error			
Bottom	2.049	4.105	1.790
Top	1.267	2.333	1.413
LogIC50	0.01977	0.03886	0.02196
HillSlope	0.07999	0.1818	0.08227
95% Confidence Intervals			
Bottom	-4.141 to 4.507	-4.693 to 12.63	-4.633 to 2.888
Top	94.96 to 100.3	96.98 to 106.8	94.50 to 100.4
LogIC50	-6.025 to -5.942	-5.900 to -5.736	-5.908 to -5.816
HillSlope	-1.307 to -0.9694	-1.650 to -0.8829	-1.259 to -0.9129
Goodness of Fit			
Degrees of Freedom	17	17	18
R²	0.9946	0.9781	0.9943
Absolute Sum of Squares	144.3	603.7	178.6
Sy.x	2.914	5.959	3.150
Number of points			
Analyzed	21	21	22
Outliers (excluded, Q=1.0%)	0	0	0

log concentration	TC 6 RN004 WP (4/24) (blue)			TC 6 RN005 WP (5/1) (blue)			TC 6 RN006 WP (5/6) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	24.21	50.20	82.08						
-4.50	1.84	0.96	1.20						
-5.50	24.21	25.50	24.92						
-6.00	50.20	46.93	46.66						
-6.50	82.08	78.60	79.61						
-7.00	93.31	94.50	93.93						
-7.50	89.48	94.17	94.07						
-8.50	98.35	99.17	97.25						
-4.00				4.19	4.06	4.41			
-4.50				4.19	4.06	4.41			
-5.50				34.86	31.75	34.77			
-6.00				55.87	56.09	58.11			
-6.50				86.79	103.50	90.11			
-7.00				98.08	104.88	105.53			
-7.50				94.54	98.46	102.51			
-8.50				95.36	98.81	102.25			
-4.00								-0.15	-0.65
-4.50							1.15	4.78	2.24
-5.50							27.34	32.33	29.38
-6.00							55.09	57.29	55.76
-6.50							84.22	85.75	88.13
-7.00							88.92	90.32	85.49
-7.50								98.10	94.80
-8.50							97.55	99.65	98.41

TRL TC 6 Acceptable

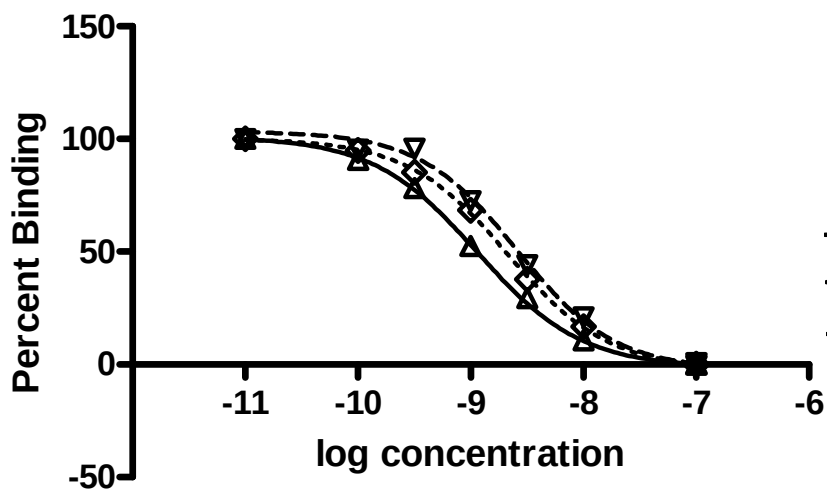


- △ TC 6 RN004 (4/24) (blue)
- ▽ TC 6 RN005 (5/1) (blue)
- ◇ TC 6 RN006 (5/6) (green)
- TC 6 RN004 (4/24) (blue)
- TC 6 RN005 (5/1) (blue)
- TC 6 RN006 (5/6) (green)

	TC 6 RN004 (4/24) (blue)	TC 6 RN005 (5/1) (blue)	TC 6 RN006 (5/6) (green)
logIC50		Ambiguous	
Best-fit values			
Bottom	0.4937	18.50	-1.356
Top	98.01	99.47	103.4
LogIC50	-5.877	~ -5.936	-5.764
HillSlope	-1.104	~ -6.016	-0.8890
Std. Error			
Bottom	3.652	9.151	14.50
Top	1.199	1.804	1.846
LogIC50	0.03515	~ 329.4	0.06929
HillSlope	0.1521	~ 30988	0.2291
95% Confidence Intervals			
Bottom	-7.289 to 8.276	-1.126 to 38.13	-32.47 to 29.75
Top	95.46 to 100.6	95.60 to 103.3	99.47 to 107.4
LogIC50	-5.952 to -5.802	(Very wide)	-5.913 to -5.616
HillSlope	-1.428 to -0.7798	(Very wide)	-1.380 to -0.3976
Goodness of Fit			
Degrees of Freedom	15	14	14
R²	0.9920	0.9755	0.9824
Absolute Sum of Squares	195.7	409.9	333.5
Sy.x	3.612	5.411	4.881
Number of points			
Analyzed	19	18	18
Outliers (excluded, Q=1.0%)	0	0	0

log concentration	TC 6 RN004 (4/24) (blue)			TC 6 RN005 (5/1) (blue)			TC 6 RN006 (5/6) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000									
-4.0000			-0.15						
-5.0000	11.46	10.87	10.41						
-6.0000	56.61	56.39	58.50						
-7.0000	91.58	91.82	96.04						
-8.0000	104.89	102.19	99.65						
-9.0000	96.19	96.53	94.22						
-10.0000	98.19	99.23	89.30						
-3.0000				6550.000	69.0.000	6787.000			
-4.0000					112.0300	126.7600			
-5.0000				15.5600	21.7200	18.2300			
-6.0000				65.3900	64.6600	72.8800			
-7.0000				100.0600	102.1700	94.8500			
-8.0000				108.5400	109.2300	99.2000			
-9.0000				98.4200	91.6200	97.4300			
-10.0000				101.5600	99.5000	91.0100			
-3.0000							1174.4300		1.00.0300
-4.0000							80.2000	82.2500	84.6500
-5.0000							16.1000	16.1700	16.3100
-6.0000							60.0400	61.2300	66.0000
-7.0000							91.4100	95.0100	100.6000
-8.0000							95.9200	105.2800	100.5700
-9.0000							115.4000	102.8800	106.6300
-10.0000							96.0300	101.6800	101.9600

TRL TC 7 Standard Curve

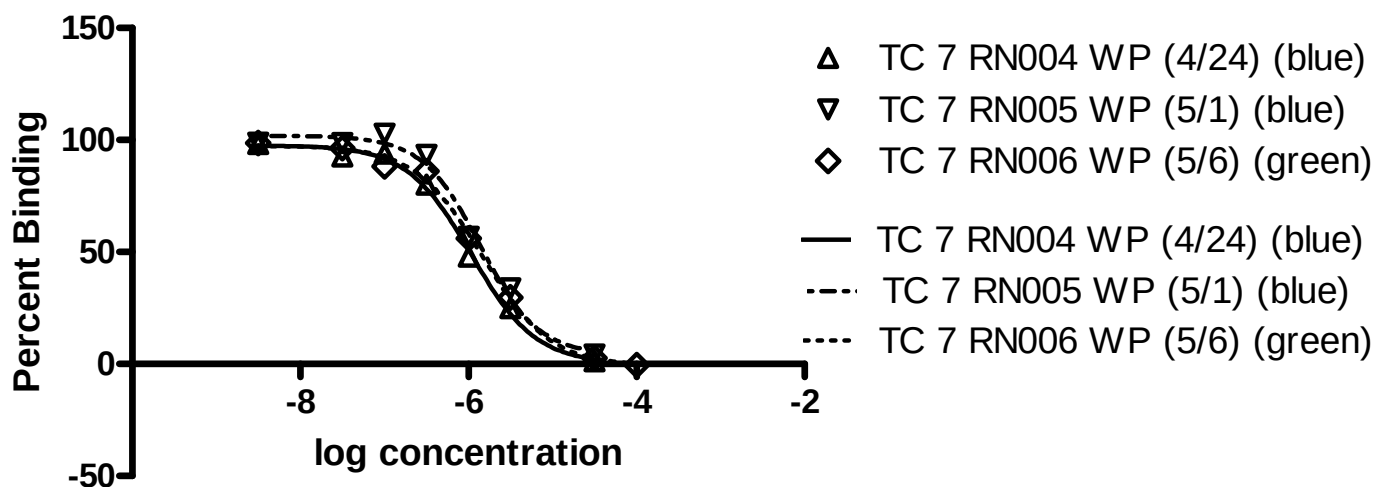


	TC 7 RN004 SC (4/24) (blue)	TC 7 RN005 SC (5/1) (blue)	TC 7 RN006 SC (5/6) (green)
logIC50			
Best-fit values			
Bottom	-1 391	-2.306	-2 348
Top	101.0	103.4	100.1
LogIC50	-8 945	-8.577	-8 690
HillSlope	-0 9396	-1.005	-0 9725
Std. Error			
Bottom	0.7913	1.551	1 040
Top	0 9270	1.684	1 014
LogIC50	0 01124	0.01989	0 01465
HillSlope	0 03226	0.06716	0 04213
95% Confidence Intervals			
Bottom	-3 061 to 0.2783	-5.579 to 0 9671	-4 525 to -0.1702
Top	99.08 to 103.0	99 81 to 106.9	98.00 to 102 2
LogIC50	-8 969 to -8.921	-8.619 to -8 535	-8.721 to -8.659
HillSlope	-1 008 to -0.8715	-1.146 to -0 8631	-1 061 to -0.8844
Goodness of Fit			
Degrees of Freedom	17	17	19
R ²	0 9988	0.9961	0 9981
Absolute Sum of Squares	38.28	135.1	70.75
Sy.x	1 501	2.819	1 930
Number of points			
Analyzed	21	21	23
Outliers (excluded, Q=1.0%)	1	1	0

log concentration	TC 7 RN004 SC (4/24) (blue)			RN005 SC (5/1)	
	Y1	Y2	Y3	Y1	Y2
-8.500		34.560			
-11.000				92.990	

log concentration	TC 7 RN004 SC (4/24) (blue)			TC 7 RN005 SC (5/1) (blue)			TC 7 RN006 SC (5/6) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00		0.59	-0.23						
-7.00	0.12	-0.25	-0.22						
-8.00	12.10	10.84	9.48						
-8.50	26.97	34.56	26.77						
-9.00	52.06	55.14	50.68						
-9.50	77.93	79.59	77.13						
-10.00	91.79	89.70							
-11.00	96.93	101.60	101.48						
-7.00				0.70	0.23	0.75			
-7.00				-1.19	-0.03	-0.46			
-8.00				22.49	20.51	19.82			
-8.50				44.20	44.16	43.99			
-9.00				71.89		73.01			
-9.50				92.99	98.64	95.49			
-10.00				92.91		97.73			
-11.00				92.99	105.18	101.82			
-7.00							0.19	0.05	0.17
-7.00							-0.58	-0.06	0.23
-8.00							15.38	17.16	17.68
-8.50							35.84		39.57
-9.00							65.59	69.07	70.38
-9.50							84.28	84.88	86.79
-10.00							94.48	95.62	94.79
-11.00							96.33	104.02	99.65

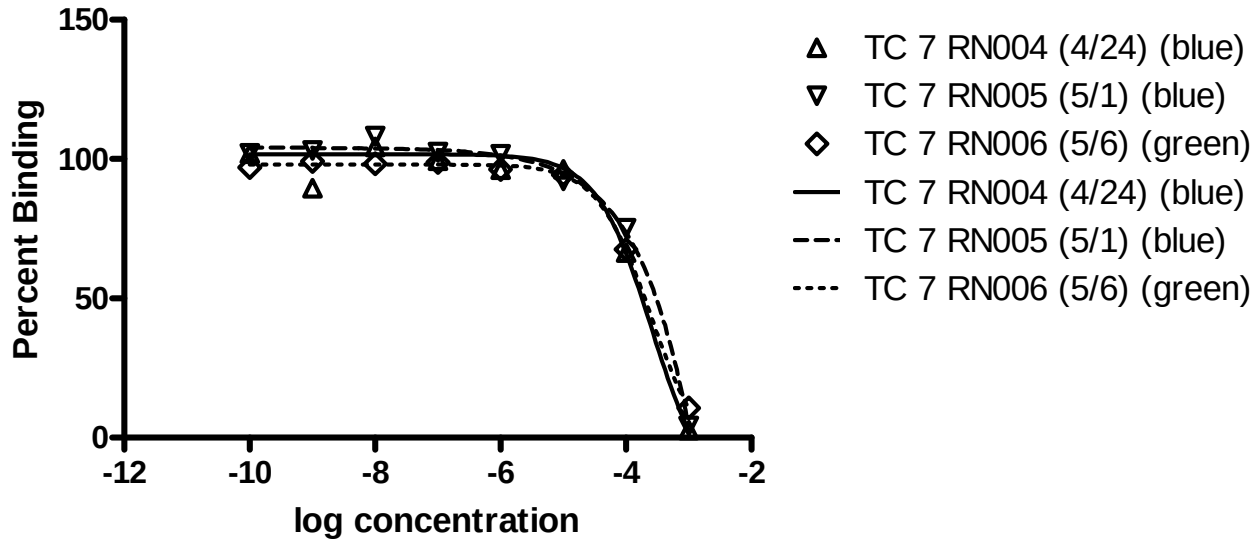
TRL TC 7 Weak Positive



	TC 7 RN004 WP (4/24) (blue)	TC 7 RN005 WP (5/1) (blue)	TC 7 RN006 WP (5/6) (green)
logIC50			
Best-fit values			
Bottom	0.1827	3.968	-0.8722
Top	97.64	101.9	97.47
LogIC50	-5.983	-5.818	-5.862
HillSlope	-1.138	-1.267	-1.086
Std. Error			
Bottom	2.049	4.105	1.790
Top	1.267	2.333	1.413
LogIC50	0.01977	0.03886	0.02196
HillSlope	0.07999	0.1818	0.08227
95% Confidence Intervals			
Bottom	-4.141 to 4.507	-4.693 to 12.63	-4.633 to 2.888
Top	94.96 to 100.3	96.98 to 106.8	94.50 to 100.4
LogIC50	-6.025 to -5.942	-5.900 to -5.736	-5.908 to -5.816
HillSlope	-1.307 to -0.9694	-1.650 to -0.8829	-1.259 to -0.9129
Goodness of Fit			
Degrees of Freedom	17	17	18
R ²	0.9946	0.9781	0.9943
Absolute Sum of Squares	144.3	603.7	178.6
Sy.x	2.914	5.959	3.150
Number of points			
Analyzed	21	21	22
Outliers (excluded, Q=1.0%)	0	0	0

log concentration	TC 7 RN004 WP (4/24) (blue)			TC 7 RN005 WP (5/1) (blue)			TC 7 RN006 WP (5/6) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	99.66	99.93	99.99						
-4.50	1.84	0.96	1.20						
-5.50	24.21	25.50	24.92						
-6.00	50.20	46.93	46.66						
-6.50	82.08	78.60	79.61						
-7.00	93.31	94.50	93.93						
-7.50	89.48	94.17	94.07						
-8.50	98.35	99.17	97.25						
-4.00				119.99	120.29	100.93			
-4.50				4.19	4.06	4.41			
-5.50				34.86	31.75	34.77			
-6.00				55.87	56.09	58.11			
-6.50				86.79	103.50	90.11			
-7.00				98.08	104.88	105.53			
-7.50				94.54	98.46	102.51			
-8.50				95.36	98.81	102.25			
-4.00								-0.15	-0.65
-4.50							1.15	4.78	2.24
-5.50							27.34	32.33	29.38
-6.00							55.09	57.29	55.76
-6.50							84.22	85.75	88.13
-7.00							88.92	90.32	85.49
-7.50								98.10	94.80
-8.50							97.55	99.65	98.41

TRL TC 7 Acceptable

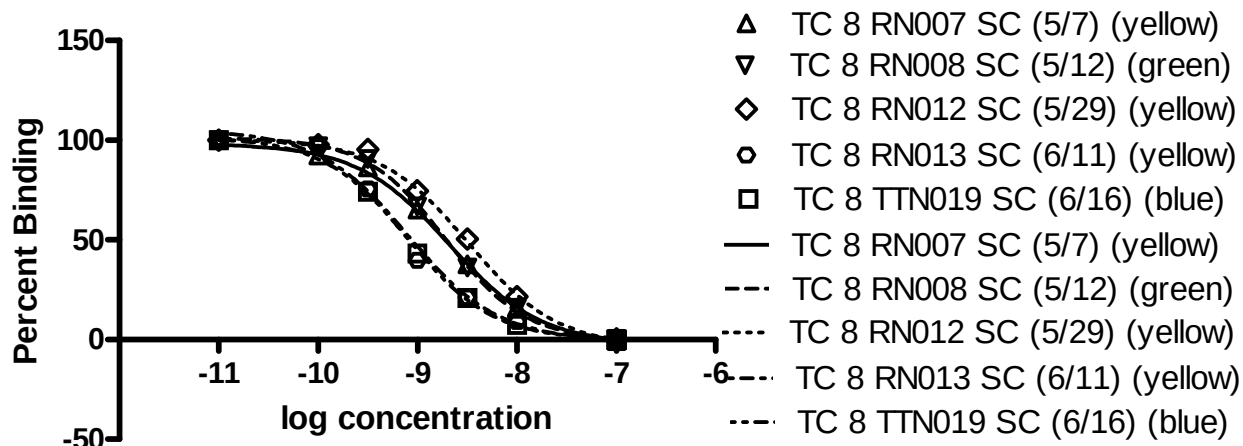


	TC 7 RN004 (4/24) (blue)	TC 7 RN005 (5/1) (blue)	TC 7 RN006 (5/6) (green)
logIC50			
Best-fit values			
Bottom	-23.53	-1.623e+012	-11.37
Top	101.7	104.1	98.06
LogIC50	-3.743	-3.513	-3.697
HillSlope	-0.9814	-0.5177	-1.012
Std. Error			
Bottom	25.44	4.564e+012	19.99
Top	1.243	1.921	0.9727
LogIC50	0.06604	0.04828	0.06573
HillSlope	0.2827	0.09365	0.2740
95% Confidence Intervals			
Bottom	-77.21 to 30.16	-1.121e+013 to 7.966e+012	-53.37 to 30.62
Top	99.08 to 104.3	100.0 to 108.1	96.02 to 100.1
LogIC50	-3.882 to -3.604	-3.615 to -3.412	-3.835 to -3.559
HillSlope	-1.578 to -0.3849	-0.7145 to -0.3210	-1.588 to -0.4368
Goodness of Fit			
Degrees of Freedom	17	18	18
R ²	0.9834	0.9756	0.9896
Absolute Sum of Squares	313.1	613.5	205.8
Sy x	4.292	5.838	3.382
Number of points			
Analyzed	21	22	22
Outliers (excluded, Q=1.0%)	2	0	0

	log concentration	TC 7 RN004 (4/24) (blue)	
		Y1	Y2
	-6.000		80.170
	-9.000	72.010	

log concentration	TC 7 RN004 (4/24) (blue)			TC 7 RN005 (5/1) (blue)			TC 7 RN006 (5/6) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	2.54	2.90							
-4.0000	63.97	66.40	68.77						
-5.0000	96.07	95.07	97.94						
-6.0000	97.44	80.17	110.93						
-7.0000	94.99	104.64	98.71						
-8.0000	107.50	101.48	103.93						
-9.0000	72.01	102.94	93.63						
-10.0000	99.35	100.98	105.48						
-3.0000				1.9500	6.8600	3.8500			
-4.0000				71.2000	81.3200	73.1800			
-5.0000				95.6200	101.3500	79.5100			
-6.0000				96.8300	97.3900	110.7400			
-7.0000				101.9100	102.9000				
-8.0000				109.1900	112.0300	103.3700			
-9.0000				100.4900		105.7000			
-10.0000				102.6400	103.8900	99.7100			
-3.0000							11.7600	9.5300	10.6200
-4.0000							65.3800	68.6000	68.7100
-5.0000							87.2200	101.1500	94.4700
-6.0000							92.7800		99.8800
-7.0000							96.7000		100.8500
-8.0000							96.6000	102.3400	96.0800
-9.0000							97.5500	101.4500	98.4200
-10.0000							93.2400	98.8300	98.7200

TRL TC 8 Standard Curve

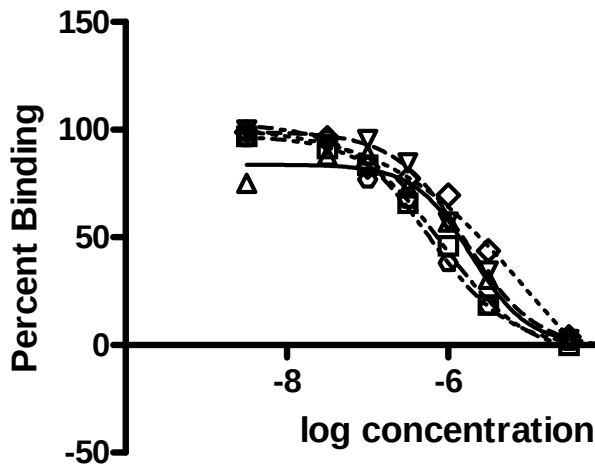


	TC 8 RN007 SC (5/7) (yellow)	TC 8 RN008 SC (5/12) (green)	TC 8 RN012 SC (5/29) (yellow)	TC 8 RN013 SC (6/11) (yellow)	TC 8 TTN019 SC (6/16) (blue)
logIC50					
Best-fit values					
Bottom	-2.658	-0.8577	-3.713	-0.7372	-0.3384
Top	98.23	101.3	100.5	105.1	101.5
LogIC50	-8.722	-8.709	-8.515	-9.057	-9.085
HillSlope	-0.9385	-1.080	-0.9736	-0.9605	-1.018
Std. Error					
Bottom	0.7266	1.678	0.8891	1.136	1.581
Top	0.8068	1.756	0.7193	1.924	2.154
LogIC50	0.009642	0.02140	0.01022	0.01888	0.02342
HillSlope	0.02997	0.07489	0.03367	0.05245	0.07764
95% Confidence Intervals					
Bottom	-4.184 to -1.131	-4.397 to 2.682	-5.574 to -1.853	-3.135 to 1.660	-3.691 to 3.014
Top	96.53 to 99.92	97.56 to 105.0	98.97 to 102.0	101.0 to 109.2	96.90 to 106.0
LogIC50	-8.742 to -8.701	-8.755 to -8.664	-8.537 to -8.494	-9.097 to -9.017	-9.134 to -9.035
HillSlope	-1.002 to -0.8756	-1.238 to -0.9218	-1.044 to -0.9031	-1.071 to -0.8498	-1.182 to -0.8531
Goodness of Fit					
Degrees of Freedom	18	17	19	17	16
R ²	0.9990	0.9944	0.9989	0.9965	0.9932
Absolute Sum of Squares	30.40	178.8	40.72	107.9	181.5
Sy.x	1.300	3.243	1.464	2.520	3.368
Number of points					
Analyzed	22	21	23	21	20
Outliers (excluded, Q=1.0%)	2	0	1	3	0

log concentration	TC 8 RN007 SC (5/7) (yellow)			TC 8 RN008 SC (5/12) (green)			TC 8 RN012 SC (5/29) (yellow)			TC 8 RN013 SC (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-9.500		93.590										
-11.000			103.360									
-9.500								106.200				
-9.000										27.780		
-10.000										108.130		
-11.000												92.180

log concentration	TC 8 RN007 SC (5/7) (yellow)			TC 8 RN008 SC (5/12) (green)			TC 8 RN012 SC (5/29) (yellow)			TC 8 RN013 SC (6/11) (yellow)			TC 8 TTN019 SC (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	0.57	0.53	1.16												
-7.00	-0.47	-0.60	-1.19												
-8.00	15.95	17.05	15.15												
-8.50	38.23	37.07	38.04												
-9.00	67.62	65.08	62.92												
-9.50	82.43	93.59	83.45												
-10.00	90.97	91.82	93.78												
-11.00	96.96	99.68	103.36												
-7.00				1.69		-0.97									
-7.00				-0.42	0.24	-0.53									
-8.00				17.64	15.66	14.25									
-8.50				35.23	37.06	35.89									
-9.00				64.49	68.67	67.33									
-9.50				84.07	96.48	90.98									
-10.00						97.12									
-11.00				103.85	94.33	101.82									
-7.00							0.14	-1.45	0.57						
-7.00							1.90	-1.50	0.40						
-8.00							21.58	21.21	21.76						
-8.50							49.64	51.36	50.13						
-9.00							75.07	75.01	73.90						
-9.50							89.07	106.20	91.10						
-10.00							99.57	97.18	96.44						
-11.00							98.16	99.20	102.64						
-7.00										0.70	0.87	-0.18			
-7.00										-0.30	-0.20	-0.90			
-8.00										8.91	8.53	9.61			
-8.50										22.15	21.75	19.86			
-9.00										27.78	49.07	42.31			
-9.50										79.07	73.78	74.11			
-10.00										108.13	95.78	86.57			
-11.00										102.43	105.39	92.18			
-7.00													0.02	0.13	
-7.00													-0.30	0.50	-0.40
-8.00													6.04	7.02	9.39
-8.50													20.68	19.23	22.95
-9.00													46.15	41.09	42.62
-9.50													66.64	78.88	77.19
-10.00															
-11.00													103.78	101.82	94.40

TRL TC 8 Weak Positive



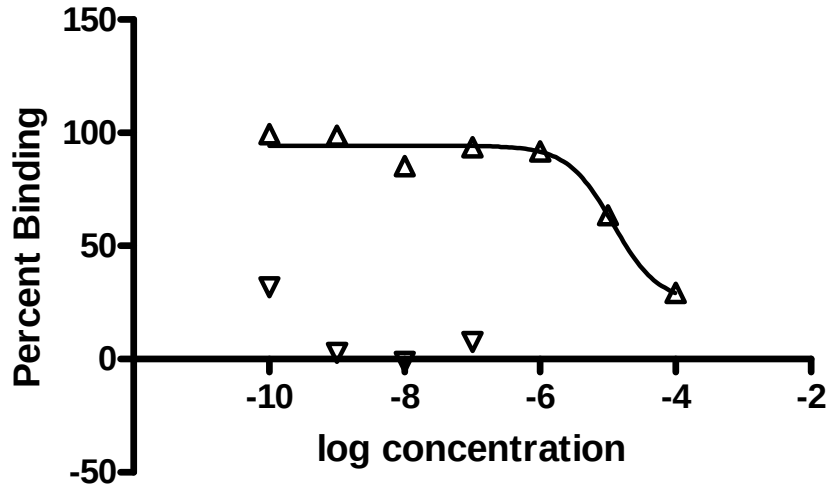
- △ TC 8 RN007 WP (5/7) (yellow)
- ▽ TC 8 RN008 WP (5/12) (green)
- ◇ TC 8 RN012 WP (5/29) (yellow)
- TC 8 RN013 WP (6/11) (yellow)
- TC 8 TTN019 WP (6/16) (blue)
- TC 8 RN007 WP (5/7) (yellow)
- TC 8 RN008 WP (5/12) (green)
- TC 8 RN012 WP (5/29) (yellow)
- .-.- TC 8 RN013 WP (6/11) (yellow)
- .-.- TC 8 TTN019 WP (6/16) (blue)

	TC 8 RN007 WP (5/7) (yellow)	TC 8 RN008 WP (5/12) (green)	TC 8 RN012 WP (5/29) (yellow)	TC 8 RN013 WP (6/11) (yellow)	TC 8 TTN019 WP (6/16) (blue)
logIC50					
Best-fit values					
Bottom	0.1083	-1.926	-51.37	-1.602	-5.181
Top	83.79	99.04	101.9	102.7	97.22
LogIC50	-5.855	-5.816	-5.606	-6.231	-6.131
HillSlope	-1.229	-0.9914	-0.4922	-0.8652	-0.8565
Std. Error					
Bottom	4.700	3.132	34.09	1.238	3.747
Top	2.348	1.917	3.527	1.129	2.409
LogIC50	0.04838	0.03144	0.04662	0.01310	0.03298
HillSlope	0.2318	0.1073	0.1042	0.03781	0.09326
95% Confidence Intervals					
Bottom	-9.808 to 10.02	-8.508 to 4.655	-124.5 to 21.75	-4.300 to 1.095	-13.09 to 2.725
Top	78.83 to 88.74	95.01 to 103.1	94.28 to 109.4	100.3 to 105.2	92.14 to 102.3
LogIC50	-5.957 to -5.753	-5.882 to -5.750	-5.706 to -5.506	-6.259 to -6.202	-6.201 to -6.061
HillSlope	-1.718 to -0.7397	-1.217 to -0.7659	-0.7156 to -0.2688	-0.9475 to -0.7828	-1.053 to -0.6597
Goodness of Fit					
Degrees of Freedom	17	18	14	12	17
R ²	0.9657	0.9887	0.9896	0.9987	0.9878
Absolute Sum of Squares	642.1	327.8	198.9	28.92	311.0
Sy.x	6.146	4.268	3.769	1.552	4.277
Number of points					
Analyzed	21	22	18	16	21
Outliers (excluded, Q=1.0%)	0	0	0	4	0

	log concentration	TC 8 RN013 WP (6/11) (yellow)	
		Y1	Y2
	-6.500		74.870
	-7.000	93.800	54.720
	-8.500	85.590	

log concentration	TC 8 RN007 WP (5/7) (yellow)			TC 8 RN008 WP (5/12) (green)			TC 8 RN012 WP (5/29) (yellow)			TC 8 RN013 WP (6/11) (yellow)			TC 8 TTN019 WP (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	<u>83.79</u>	<u>83.79</u>	<u>83.79</u>												
-4.50	2.23	2.64	2.31												
-5.00	29.31	32.05	29.79												
-6.00	59.58	58.72	53.01												
-6.50	76.56	63.56	78.79												
-7.00	89.43	86.04	89.22												
-7.50	86.17	90.17	87.58												
-8.50	71.74	76.74	76.99												
-4.00				<u>83.79</u>	0.09	<u>83.79</u>									
-4.50				2.84	2.22	2.45									
-5.00				30.50	34.86	37.67									
-6.00				56.95	55.71	58.64									
-6.50				81.09	84.47	88.03									
-7.00				89.88	98.76	97.85									
-7.50				94.78	94.92	89.57									
-8.50				92.72	103.75	103.39									
-4.00							<u>83.79</u>	<u>83.79</u>	<u>83.79</u>						
-4.50							2.23	4.81	4.14						
-5.00							45.90	43.13	42.46						
-6.00							69.79	69.29	69.29						
-6.50							81.76	74.76	74.64						
-7.00								79.73	85.38						
-7.50								96.56	96.01						
-8.50								97.67	99.32						
-4.00										<u>83.79</u>	<u>83.79</u>	<u>83.79</u>			
-4.50										1.05	2.08	1.38			
-5.00										17.43	19.33	16.95			
-6.00										36.61	41.52	36.14			
-6.50										64.76	74.87	63.35			
-7.00										93.80	54.72	82.45			
-7.50											96.63	94.74			
-8.50										85.59	100.66	101.89			
-4.00													<u>83.79</u>	<u>83.79</u>	<u>83.79</u>
-4.50													0.28	-0.02	-0.33
-5.00													17.96	19.44	18.42
-6.00													44.34	39.85	53.86
-6.50													60.57	68.71	68.23
-7.00													85.25	89.50	76.23
-7.50													89.43	93.32	91.18
-8.50													95.65	94.14	100.90

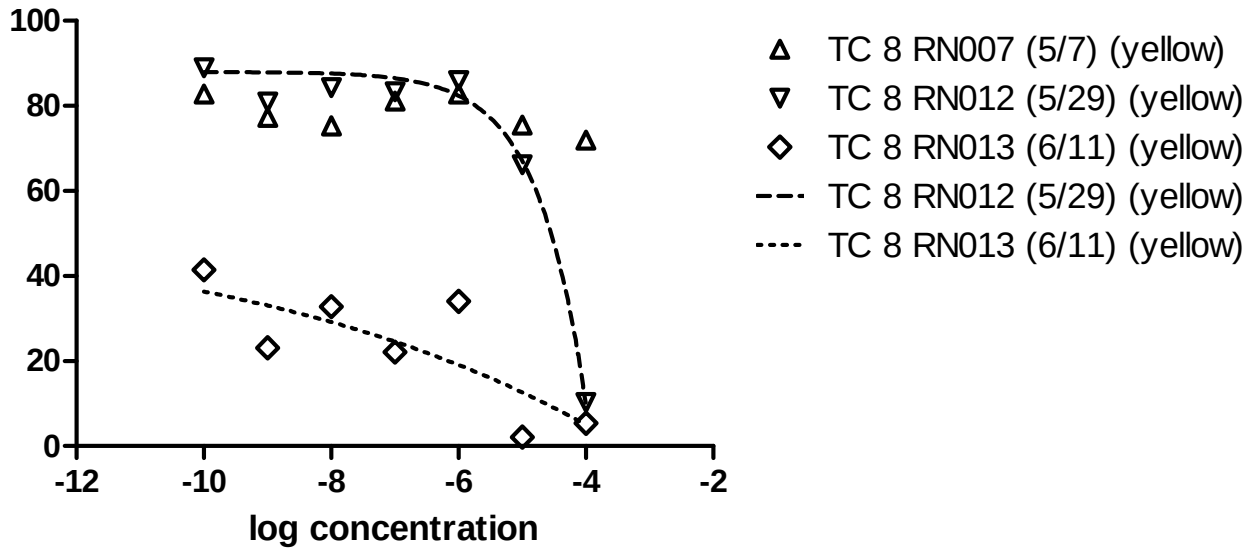
TRL TC 8 Acceptable



	TC 8 RN008 (5/12) (green)	TC 8 TTN019 (6/16) (blue)
logIC50		Not converged
Best-fit values		
Bottom	25.14	
Top	94.31	
LogIC50	-4.731	
HillSlope	-1.299	
Std. Error		
Bottom	12.69	
Top	2.460	
LogIC50	0.1846	
HillSlope	0.9640	
95% Confidence Intervals		
Bottom	-1.769 to 52.06	
Top	89.10 to 99.53	
LogIC50	-5.122 to -4.339	
HillSlope	-3.343 to 0.7443	
Goodness of Fit		
Degrees of Freedom	16	
R ²	0.8875	
Absolute Sum of Squares	1096	
Sy x	8.278	
Number of points		
Analyzed	20	10
Outliers (excluded, Q=1.0%)	0	0

log concentration	TC 8 RN008 (5/12) (green)			TC 8 TTN019 (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	207.99	319.57	3.0.00			
-4.0000	25.42		33.08			
-5.0000	55.40	62.15	73.38			
-6.0000	85.26	96.17	93.98			
-7.0000	86.09	99.62	94.84			
-8.0000	74.48	82.68	98.82			
-9.0000	93.02	100.21	102.93			
-10.0000	98.20	100.47	99.57			
-3.0000				285.3000	110.7000	220.0000
-4.0000				11.0000	0.2000	15.1000
-5.0000				13.5000	11.7000	11.6000
-6.0000				25.0000	13.6000	10.1000
-7.0000				7.0000	7.6000	6.0000
-8.0000				-0.9000	-1.1000	-1.6000
-9.0000				2.4000	3.0000	2.8000
-10.0000				29.0000	33.2000	32.9000

TRL TC 8 Unacceptable



	TC 8 RN007 (5/7) (yellow)	TC 8 RN012 (5/29) (yellow)	TC 8 RN013 (6/11) (yellow)
logIC50	Not converged		Ambiguous
Best-fit values			
Bottom		-7.162e+010	-5.372e+011
Top		88.00	~ 54.06
LogIC50		-4.545	~ -18.69
HillSlope		-0.5710	-0.07368
Std. Error			
Bottom		2.165e+012	2.638e+012
Top		2.005	~ 82.28
LogIC50		0.09487	~ 66.81
HillSlope		0.1146	0.2178
95% Confidence Intervals			
Bottom		-4.661e+012 to 4.517e+012	-6.104e+012 to 5.030e+012
Top		83.75 to 92.25	(Very wide)
LogIC50		-4.746 to -4.344	(Very wide)
HillSlope		-0.8140 to -0.3280	-0.5332 to 0.3858
Goodness of Fit			
Degrees of Freedom		16	17
R ²		0.9747	0.4620
Absolute Sum of Squares		376.3	2888
Sy x		4.849	13.03
Number of points			
Analyzed	18	20	21
Outliers (excluded, Q=1.0%)	0	1	0

	log concentration	RN012 (5/29) (y)
		Y1
	-9.000	58.300

log concentration	TC 8 RN007 (5/7) (yellow)			TC 8 RN012 (5/29) (yellow)			TC 8 RN013 (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00		756.9	800.83						
-4.00	69.29	74.55							
-5.00	67.93	76.53	82.00						
-6.00		83.17	82.34						
-7.00	87.51	72.20	83.63						
-8.00	78.57	72.06							
-9.00	79.01	78.48	74.31						
-10.00	73.10	88.59	86.66						
-3.00				690.7	936.6	6			
-4.00				7.6	9.8	13.5			
-5.00				68.7	69.7	60.0			
-6.00				82.8	84.5	90.6			
-7.00				84.2	84.3	81.3			
-8.00				88.9	88.3	75.7			
-9.00				58.3	90.9	93.5			
-10.00				87.7	89.6	89.6			
-3.00							24.4	22.4	144.3
-4.00							5.1	9.2	1.9
-5.00							0.6	5.5	0.3
-6.00							23.4	57.4	21.2
-7.00							28.3	18.8	19.3
-8.00							41.4	29.7	27.2
-9.00							19.4	23.3	26.6
-10.00							41.8	55.3	27.3

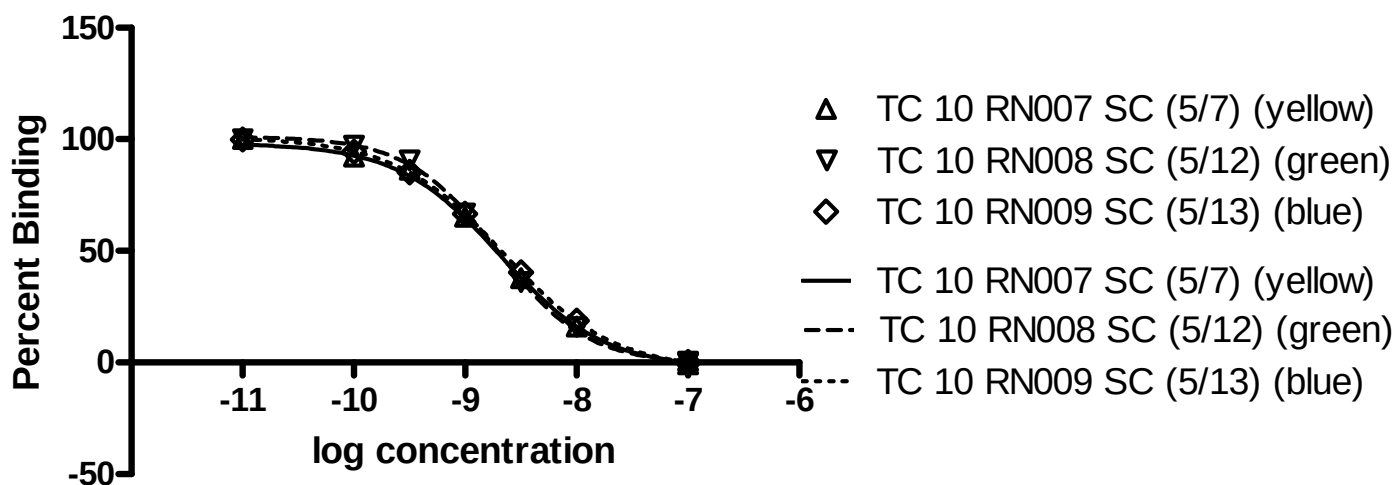
TRL TC 9

Standard Curve

TRL TC 9
Weak Positive

TRL TC 9
Unacceptable

TRL TC 10 Standard Curve

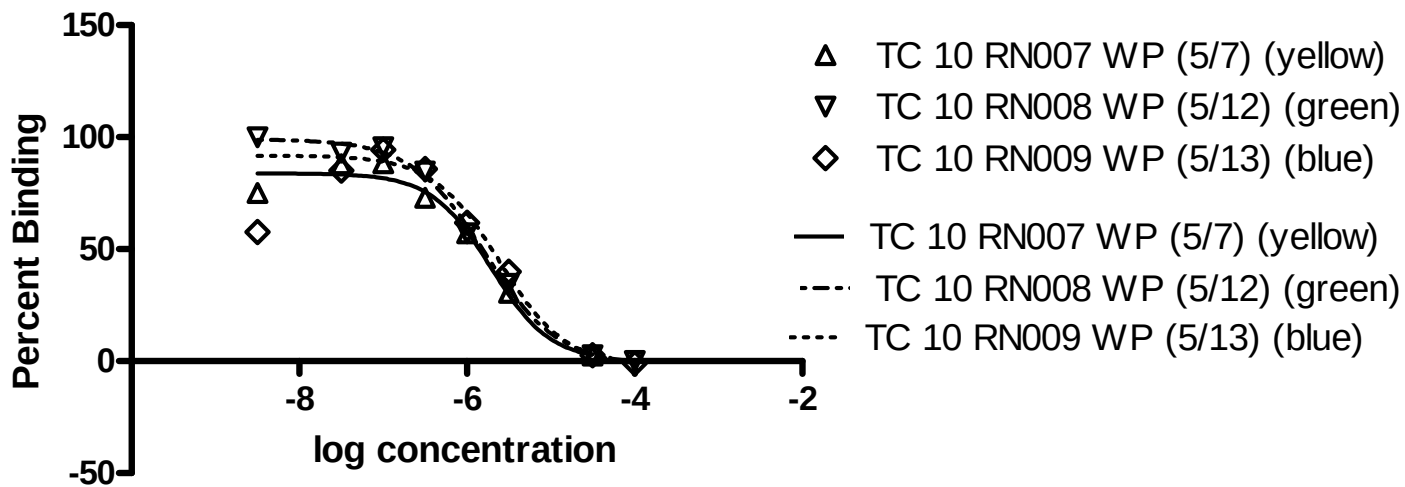


	TC 10 RN007 SC (5/7) (yellow)	TC 10 RN008 SC (5/12) (green)	TC 10 RN009 SC (5/13) (blue)
logIC50			
Best-fit values			
Bottom	-2.658	-0.8577	-3.426
Top	98.23	101.3	100.8
LogIC50	-8.722	-8.709	-8.675
HillSlope	-0.9385	-1.080	-0.8863
Std. Error			
Bottom	0.7266	1.678	1.052
Top	0.8068	1.756	0.9916
LogIC50	0.009642	0.02140	0.01284
HillSlope	0.02997	0.07489	0.03573
95% Confidence Intervals			
Bottom	-4.184 to -1.131	-4.397 to 2.682	-5.619 to -1.232
Top	96.53 to 99.92	97.56 to 105.0	98.75 to 102.9
LogIC50	-8.742 to -8.701	-8.755 to -8.664	-8.702 to -8.648
HillSlope	-1.002 to -0.8756	-1.238 to -0.9218	-0.9608 to -0.8118
Goodness of Fit			
Degrees of Freedom	18	17	20
R ²	0.9990	0.9944	0.9983
Absolute Sum of Squares	30.40	178.8	61.80
Sy x	1.300	3.243	1.758
Number of points			
Analyzed	22	21	24
Outliers (excluded, Q=1.0%)	2	0	0

log concentration	TC 10 RN007 SC (5/7) (yellow)		
	Y1	Y2	Y3
-9.500		93.590	
-11.000			103.360

log concentration	TC 10 RN007 SC (5/7) (yellow)			TC 10 RN008 SC (5/12) (green)			TC 10 RN009 SC (5/13) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	0.57	0.53	1.16						
-7.00	-0.47	-0.60	-1.19						
-8.00	15.95	17.05	15.15						
-8.50	38.23	37.07	38.04						
-9.00	67.62	65.08	62.92						
-9.50	82.43	93.59	83.45						
-10.00	90.97	91.82	93.78						
-11.00	96.96	99.68	103.36						
-7.00				1.69		-0.97			
-7.00				-0.42	0.24	-0.53			
-8.00				17.64	15.66	14.25			
-8.50				35.23	37.06	35.89			
-9.00				64.49	68.67	67.33			
-9.50				84.07	96.48	90.98			
-10.00						97.12			
-11.00				103.85	94.33	101.82			
-7.00							-0.52	-0.05	0.00
-7.00							-0.89	0.43	1.03
-8.00							17.82	17.62	20.72
-8.50							37.55	39.88	43.80
-9.00							66.59	67.49	65.91
-9.50							83.63	84.20	88.16
-10.00							92.66	96.61	93.93
-11.00							102.56	99.50	97.93

TRL TC 10 Weak Positive

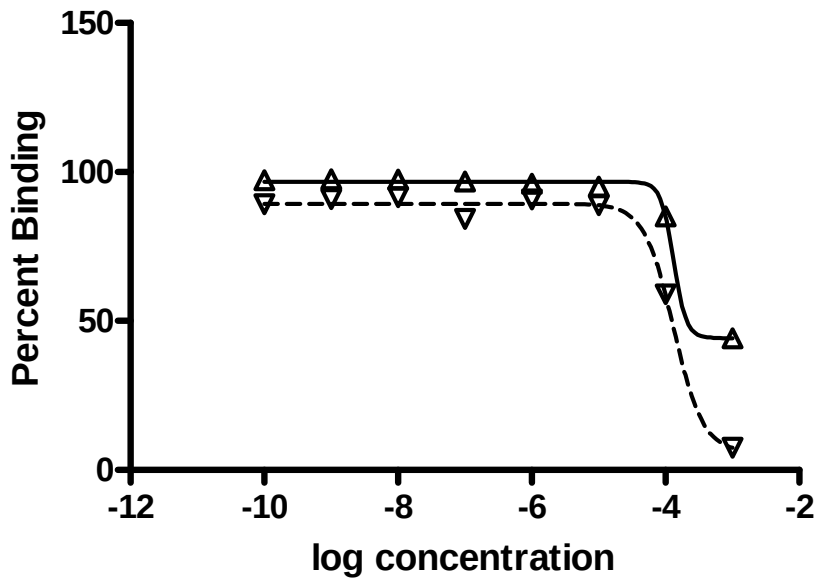


	TC 10 RN007 WP (5/7) (yellow)	TC 10 RN008 WP (5/12) (green)	TC 10 RN009 WP (5/13) (blue)
logIC50			
Best-fit values			
Bottom	0.1083	-1.926	-2.440
Top	83.79	99.04	91.73
LogIC50	-5.855	-5.816	-5.704
HillSlope	-1.229	-0.9914	-1.098
Std. Error			
Bottom	4.700	3.132	3.957
Top	2.348	1.917	3.420
LogIC50	0.04838	0.03144	0.04938
HillSlope	0.2318	0.1073	0.2231
95% Confidence Intervals			
Bottom	-9.808 to 10.02	-8.508 to 4.655	-10.79 to 5.908
Top	78.83 to 88.74	95.01 to 103.1	84.51 to 98.94
LogIC50	-5.957 to -5.753	-5.882 to -5.750	-5.808 to -5.600
HillSlope	-1.718 to -0.7397	-1.217 to -0.7659	-1.569 to -0.6275
Goodness of Fit			
Degrees of Freedom	17	18	17
R ²	0.9657	0.9887	0.9754
Absolute Sum of Squares	642.1	327.8	714.1
Sy x	6.146	4.268	6.481
Number of points			
Analyzed	21	22	21
Outliers (excluded, Q=1.0%)	0	0	2

	log concentration	TC 10 RN009 WP (5/13) (blue)	
		Y1	Y2
	-8.500	47.900	67.260

log concentration	TC 10 RN007 WP (5/7) (yellow)			TC 10 RN008 WP (5/12) (green)			TC 10 RN009 WP (5/13) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	41.05	45.74	49.01						
-4.50	2.23	2.64	2.31						
-5.50	29.31	32.05	29.79						
-6.00	59.58	58.72	53.01						
-6.50	76.56	63.56	78.79						
-7.00	89.43	86.04	89.22						
-7.50	86.17	90.17	87.58						
-8.50	71.74	76.74	76.99						
-4.00				59.22	0.09	60.42			
-4.50				2.84	2.22	2.45			
-5.50				30.50	34.86	37.67			
-6.00				56.95	55.71	58.64			
-6.50				81.09	84.47	88.03			
-7.00				89.88	98.76	97.85			
-7.50				94.78	94.92	89.57			
-8.50				92.72	103.75	103.39			
-4.00							-1.73	-0.94	-0.30
-4.50							1.52	3.01	3.29
-5.50							39.04	39.73	40.81
-6.00							65.71	54.81	64.93
-6.50							79.53	90.01	87.67
-7.00							92.17	92.35	98.40
-7.50							86.15	73.00	96.32
-8.50							47.90	67.26	

TRL TC 10 Acceptable

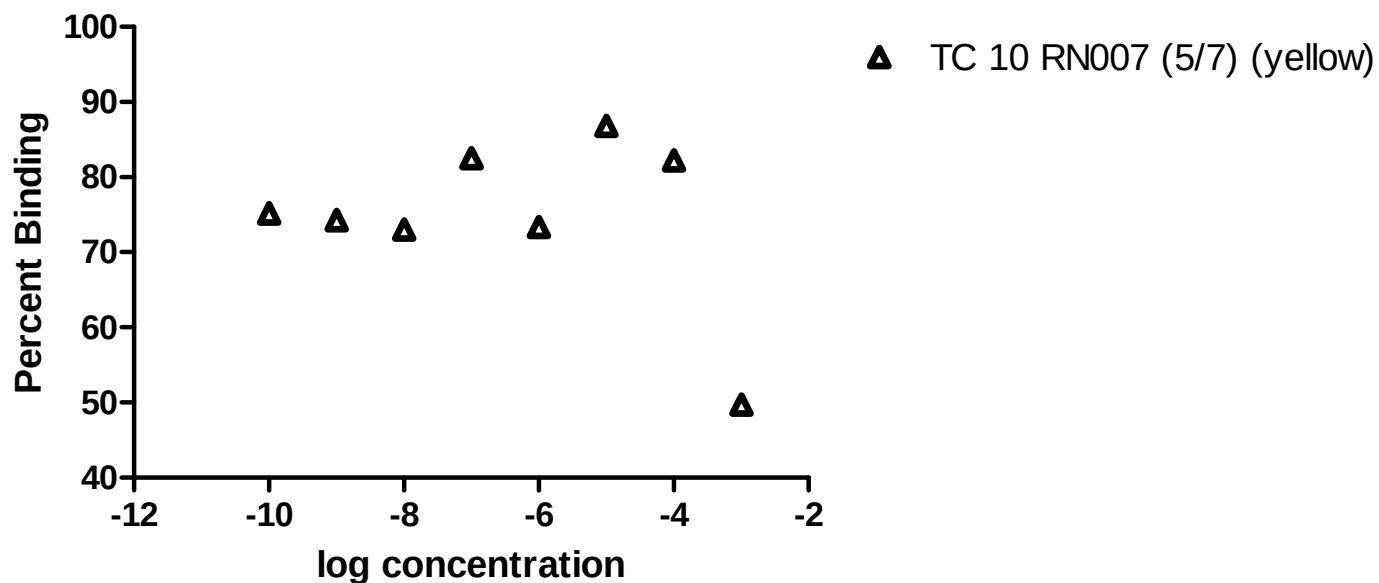


- △ TC 10 RN008 (5/12) (green)
- ▽ TC 10 RN009 (5/13) (blue)
- TC 10 RN008 (5/12) (green)
- TC 10 RN009 (5/13) (blue)

	TC 10 RN008 (5/12) (green)	TC 10 RN009 (5/13) (blue)
logIC50	Ambiguous	
Best-fit values		
Bottom	44.22	5.871
Top	96.68	89.32
LogIC50	~ -3.682	-3.903
HillSlope	~ -4.566	-1.975
Std. Error		
Bottom	43.25	11.56
Top	1.438	1.443
LogIC50	~ 261.2	0.1464
HillSlope	~ 3761	3.083
95% Confidence Intervals		
Bottom	-46.00 to 134.4	-18.24 to 29.98
Top	93.68 to 99.68	86.31 to 92.33
LogIC50	(Very wide)	-4.209 to -3.598
HillSlope	(Very wide)	-8.407 to 4.457
Goodness of Fit		
Degrees of Freedom	20	20
R ²	0.9198	0.9670
Absolute Sum of Squares	620.7	618.9
Sy.x	5.571	5.563
Number of points		
Analyzed	24	24
Outliers (excluded, Q=1.0%)	0	0

log concentration	TC 10 RN008 (5/12) (green)			TC 10 RN009 (5/13) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	37.01	47.08	48.59			
-4.0000	84.41	77.67	92.97			
-5.0000	98.22	101.13	85.87			
-6.0000	91.95	99.34	96.73			
-7.0000	88.85	104.06	97.34			
-8.0000	92.49	99.90	99.94			
-9.0000	93.34	99.91	99.52			
-10.0000	95.23	92.50	103.85			
-3.0000				1.2000	7.7400	13.2100
-4.0000				53.3100	62.5700	60.8100
-5.0000				85.0000	89.8100	91.5600
-6.0000				89.1100	91.3400	91.8000
-7.0000				89.2500	90.3600	72.8400
-8.0000				84.6700	96.0400	93.9800
-9.0000				84.7200	95.0300	93.1200
-10.0000				84.6200	90.1700	92.8700

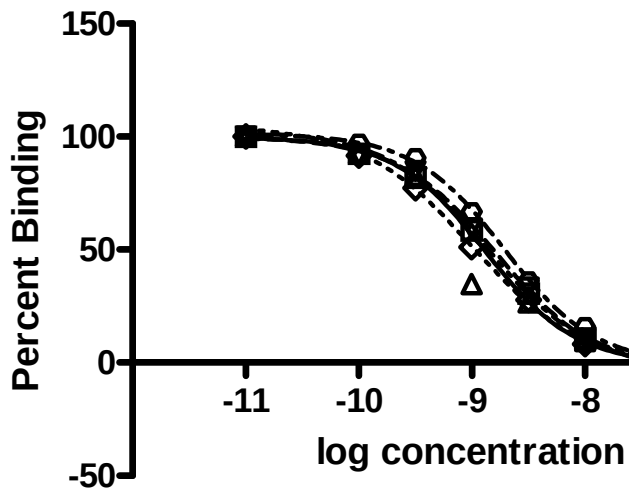
TRL TC 10 Unacceptable



	TC 10 RN007 (5/7) (yellow)
logIC50	Not converged
Best-fit values	
Bottom	
Top	
LogIC50	
HillSlope	
Std. Error	
Bottom	
Top	
LogIC50	
HillSlope	
95% Confidence Intervals	
Bottom	
Top	
LogIC50	
HillSlope	
Goodness of Fit	
Degrees of Freedom	
R ²	
Absolute Sum of Squares	
Sy.x	
Number of points	
Analyzed	23
Outliers (excluded, Q=1.0%)	0

log concentration	TC 10 RN007 (5/7) (yellow)		
	Y1	Y2	Y3
-3.0	44.92	49.22	54.99
-4.0	88.71	79.81	78.17
-5.0	86.27	88.09	86.10
-6.0	71.13		75.64
-7.0	81.09	91.20	75.23
-8.0	77.22	84.84	56.97
-9.0	74.00	75.58	73.24
-10.0	81.45	72.26	71.89

TRL TC 11 Standard Curve



- ▲ TC 11 TTN002 SC (3/18) (blue)
- ▼ TC 11 TTN004 SC (4/7) (red)
- ◆ TC 11 TTN006 SC (4/16) (blue)
- TC 11 RN008 SC (5/12) (green)
- TC 11 TTN017 SC (5/14)(yellow)
- TC 11 TTN002 SC (3/18) (blue)
- TC 11 TTN004 SC (4/7) (red)
- TC 11 TTN006 SC (4/16) (blue)
- .-.- TC 11 RN008 SC (5/12) (green)
- .-.- TC 11 TTN017 SC (5/14)(yellow)

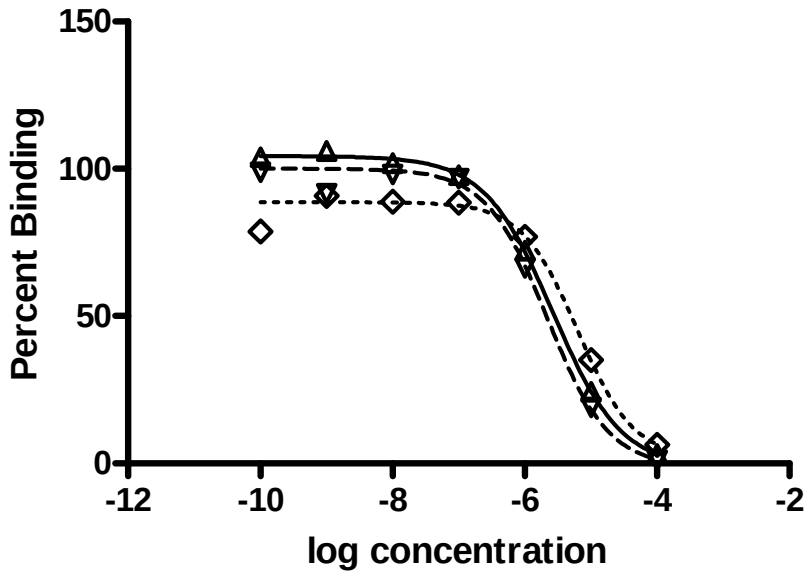
	TC 11 TTN002 SC (3/18) (blue)	TC 11 TTN004 SC (4/7) (red)	TC 11 TTN006 SC (4/16) (blue)	TC 11 RN008 SC (5/12) (green)	TC 11 TTN017 SC (5/14)(yellow)
logC50					
Best-fit values					
Bottom	-0.8440	-4.099	-2.223	-0.8577	-1.642
Top	99.78	99.83	104.8	101.3	102.5
LogC50	-8.893	-8.812	-8.971	-8.709	-8.857
HillSlope	-1.082	-0.9799	-0.8872	-1.080	-0.9797
Std. Error					
Bottom	0.7692	1.805	0.9937	1.678	0.4059
Top	0.9688	1.820	1.526	1.756	0.5667
LogC50	0.01670	0.02291	0.01419	0.02140	0.005762
HillSlope	0.04122	0.07009	0.03893	0.07489	0.01798
95% Confidence Intervals					
Bottom	-2.467 to 0.7790	-7.877 to -0.3207	-4.303 to -0.1433	-4.397 to 2.682	-2.495 to -0.7896
Top	97.73 to 101.8	96.02 to 103.6	101.6 to 108.0	97.56 to 105.0	101.3 to 103.7
LogC50	-8.928 to -8.857	-8.860 to -8.764	-9.001 to -8.942	-8.755 to -8.664	-8.869 to -8.845
HillSlope	-1.169 to -0.9950	-1.127 to -0.8332	-0.9687 to -0.8057	-1.238 to -0.9218	-1.018 to -0.9420
Goodness of Fit					
Degrees of Freedom	17	19	19	17	18
R ²	0.9986	0.9941	0.9978	0.9944	0.9996
Absolute Sum of Squares	50.73	211.1	75.67	178.8	12.64
Sy.x	1.727	3.333	1.996	3.243	0.8379
Number of points					
Analyzed	21	23	23	21	22
Outliers (excluded, Q=1.0%)	3	0	1	0	2

log concentration	TC 11 TTN002 SC (3/18) (blue)			TC 11 TTN004 SC (4/7) (red)			TC 11 TTN006 SC (4/16) (blue)			TC 11 RN008 SC (5/12) (green)			TC 11 TTN017 SC (5/14)(yellow)	
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2
-9.000	34.520	32.580	37.120											
-11.000								92.040						
-10.000													85.920	
-11.000														96.990

log concentration	TC 11 TTN002 SC (3/18) (blue)			TC 11 TTN004 SC (4/7) (red)			TC 11 TTN006 SC (4/16) (blue)			TC 11 RN008 SC (5/12) (green)			TC 11 TTN017 SC (5/14)(yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	-0.04	-0.26	0.27												
-7.00	-0.18	0.37	-0.16												
-8.00	9.25	10.11	9.41												
-8.50	28.06	28.17	23.69												
-9.00	34.52	32.58	37.12												
-9.50	83.47	82.54	82.43												
-10.00	91.39	93.14	92.79												
-11.00	102.55	101.31	96.15												
-7.00				-2.28	-0.80	-2.04									
-7.00				-3.20	-0.80	-1.90									
-8.00				10.26	8.94	11.88									
-8.50				33.23	34.01	32.75									
-9.00				59.50	60.82	58.12									
-9.50				88.40	80.01	85.65									
-10.00				93.86	96.20	84.93									
-11.00				100.34	94.52	105.14									
-7.00							-1.40	-1.35	-1.55						
-7.00							-0.30	2.80	1.80						
-8.00							8.31	8.52	7.86						
-8.50							24.62	28.14	30.35						
-9.00							49.16	53.36	50.95						
-9.50							78.50	77.03	76.37						
-10.00							91.64	89.99	92.99						
-11.00							104.49	92.04	103.47						
-7.00										1.69		-0.97			
-7.00										-0.42	0.24	-0.53			
-8.00										17.64	15.66	14.25			
-8.50										35.23	37.06	35.89			
-9.00										64.49	68.67	67.33			
-9.50										84.07	96.48	90.98			
-10.00												97.12			
-11.00										103.85	94.33	101.82			
-7.00													-0.04	0.40	-0.02
-7.00													-0.30	0.10	-0.10
-8.00													11.40	10.53	10.53
-8.50													29.49	30.33	31.70
-9.00													56.97	59.33	59.31
-9.50													82.55	80.65	82.49
-10.00													85.92	95.68	95.82
-11.00													101.53	96.99	101.47

TRL TC 11
Weak Positive

TRL TC 11 Acceptable

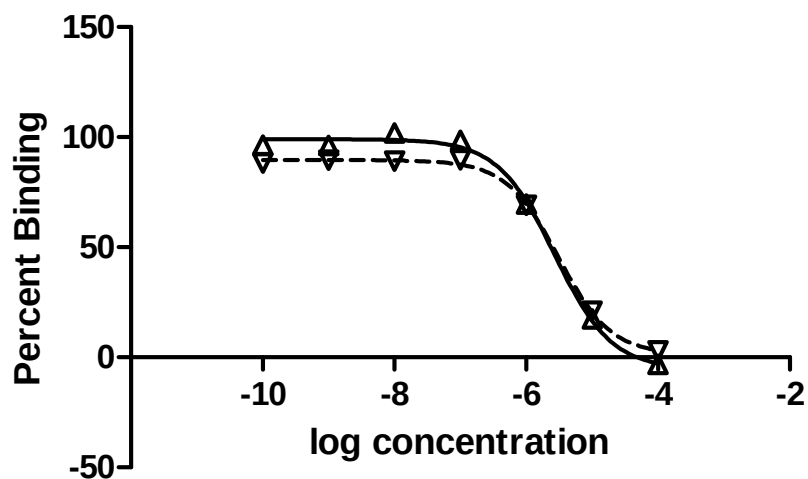


	TC 11 TTN002 (3/18) (blue)	TC 11 TTN006 (4/16) (blue)	TC 11 RN008 (5/12) (green)
logIC50			
Best-fit values			
Bottom	-1.660	-1.333	1.400
Top	104.3	100.0	88.68
LogIC50	-5.551	-5.672	-5.296
HillSlope	-0.8411	-0.9392	-1.022
Std. Error			
Bottom	2.431	2.647	5.204
Top	0.8900	1.154	1.774
LogIC50	0.02820	0.03462	0.06228
HillSlope	0.05588	0.08195	0.1869
95% Confidence Intervals			
Bottom	-6.789 to 3.470	-6.944 to 4.279	-9.633 to 12.43
Top	102.4 to 106.2	97.59 to 102.5	84.92 to 92.44
LogIC50	-5.610 to -5.491	-5.745 to -5.599	-5.428 to -5.164
HillSlope	-0.9590 to -0.7232	-1.113 to -0.7654	-1.418 to -0.6260
Goodness of Fit			
Degrees of Freedom	17	16	16
R ²	0.9964	0.9943	0.9760
Absolute Sum of Squares	117.8	177.6	477.6
Sy x	2.633	3.332	5.464
Number of points			
Analyzed	21	20	20
Outliers (excluded, Q=1.0%)	0	1	1

log concentration	TC 11 TTN006 (4/16) (blue)			TC 11 RN008 (5/12) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3
-9.000	71.630					
-10.000						68.590

log concentration	TC 11 TTN002 (3/18) (blue)			TC 11 TTN006 (4/16) (blue)			TC 11 RN008 (5/12) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	96.00	10.00	36.00						
-4.0000	3.00	3.57	3.08						
-5.0000	22.97	25.13	24.68						
-6.0000	72.88	73.75	69.85						
-7.0000	95.99	100.53	96.88						
-8.0000	100.20	101.09	104.39						
-9.0000	104.61	106.64	106.99						
-10.0000	98.61	109.84	103.19						
-3.0000				88.5300	100.0000	94.1000			
-4.0000				0.6100	1.6700	0.8200			
-5.0000				12.8100	22.2900	21.6600			
-6.0000				67.0700	67.7200	64.2900			
-7.0000				92.5900	98.1600	99.2500			
-8.0000				93.4000	99.6800	101.2600			
-9.0000				71.6300	101.7100	101.4600			
-10.0000				94.8900	99.9500	101.6400			
-3.0000							116.0200	142.7500	72.2200
-4.0000							6.0000	6.4800	6.3400
-5.0000							34.3400	31.6000	39.3500
-6.0000							69.5600	80.4600	80.6400
-7.0000							85.2000	91.6300	88.6900
-8.0000							92.4100	91.3000	82.8300
-9.0000							89.3900	86.4900	96.6000
-10.0000							74.5400	92.9700	68.5900

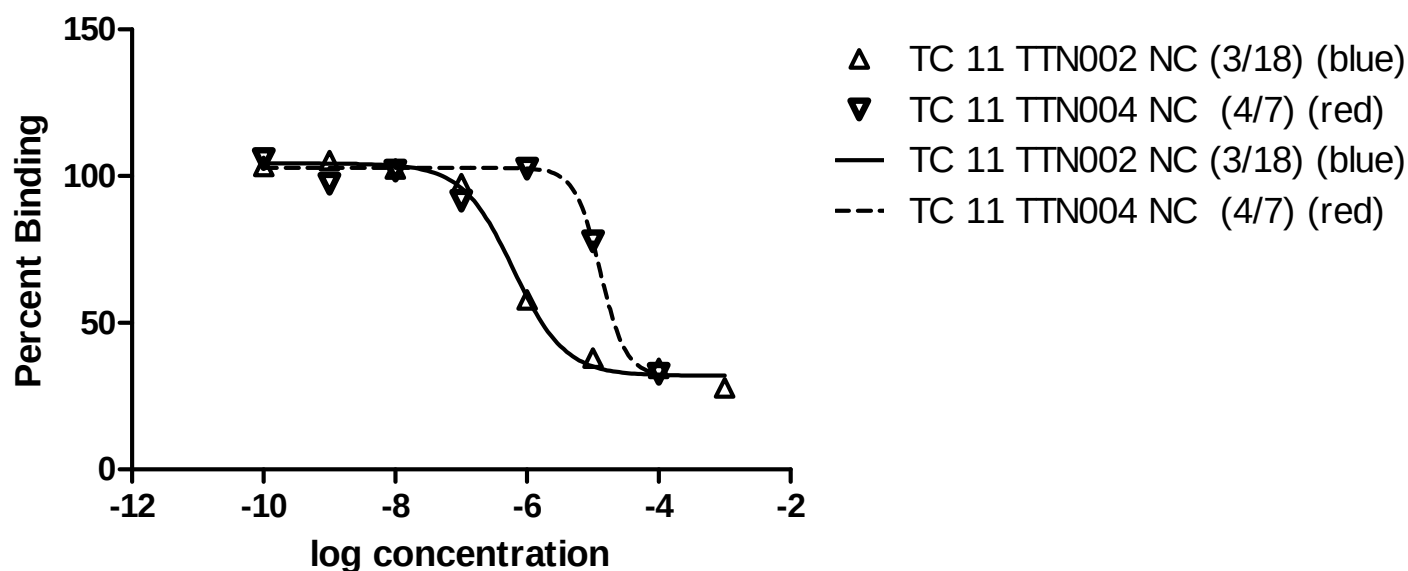
TRL TC 11 Unacceptable



	TC 11 TTN004 (4/7) (red)	TC 11 TTN017 (5/14) (yellow)
logIC50		
Best-fit values		
Bottom	-5.365	1.177
Top	99.09	89.58
LogIC50	-5.624	-5.590
HillSlope	-1.008	-1.089
Std. Error		
Bottom	2.958	4.505
Top	1.211	1.972
LogIC50	0.03746	0.06900
HillSlope	0.09183	0.1774
95% Confidence Intervals		
Bottom	-11.61 to 0.8761	-8.374 to 10.73
Top	96.53 to 101.6	85.40 to 93.76
LogIC50	-5.703 to -5.545	-5.737 to -5.444
HillSlope	-1.202 to -0.8147	-1.466 to -0.7132
Goodness of Fit		
Degrees of Freedom	17	16
R²	0.9927	0.9757
Absolute Sum of Squares	248.9	591.9
Sy x	3.827	6.082
Number of points		
Analyzed	21	20
Outliers (excluded, Q=1.0%)	0	0

log concentration	TC 11 TTN004 (4/7) (red)			TC 11 TTN017 (5/14) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	237.23	234.73	231.70			
-4.00	-0.72	-5.70	-3.24			
-5.00	16.49	16.91	18.89			
-6.00	69.69	68.79	70.29			
-7.00	98.48	100.70	96.56			
-8.00	97.88	104.66	103.10			
-9.00	98.00	92.66	98.12			
-10.00	89.78	99.80	99.74			
-3.00				69.78	79.68	67.70
-4.00				2.40	2.68	3.85
-5.00				21.38	17.28	23.94
-6.00				74.04	58.93	74.44
-7.00				80.69	97.05	91.30
-8.00				93.16	78.49	95.62
-9.00				89.53	89.55	
-10.00				82.85	95.25	86.48

TRL TC 11 Negative Control

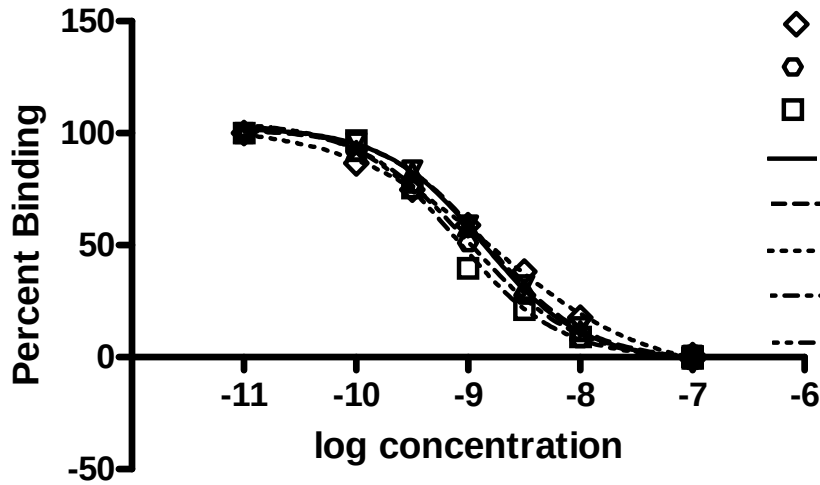


	TC 11 TTN002 NC (3/18) (blue)	TC 11 TTN004 NC (4/7) (red)
logIC50		
Best-fit values		
Bottom	32.01	31.97
Top	104.3	102.8
LogIC50	-5.772	-4.676
HillSlope	-1.114	-2.252
Std. Error		
Bottom	1.503	10.04
Top	1.398	1.365
LogIC50	0.06468	0.7653
HillSlope	0.1545	5.761
95% Confidence Intervals		
Bottom	28.87 to 35.14	10.57 to 53.36
Top	101.4 to 107.2	99.88 to 105.7
LogIC50	-5.907 to -5.637	-6.307 to -3.045
HillSlope	-1.436 to -0.7914	-14.53 to 10.03
Goodness of Fit		
Degrees of Freedom	20	15
R ²	0.9875	0.9779
Absolute Sum of Squares	315.9	278.3
Sy x	3.974	4.308
Number of points		
Analyzed	24	19
Outliers (excluded, Q=1.0%)	0	2

	log concentration	TC 11 TTN004 NC (4/7) (red)		
		Y1	Y2	Y3
	-7.000			77.610
	-9.000	85.590		

log concentration	TC 11 TTN002 NC (3/18) (blue)			TC 11 TTN004 NC (4/7) (red)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.0	24.62	33.43	25.32			
-4.0	32.67	35.86	34.69			
-5.0	31.49	38.92	43.35			
-6.0	61.37	55.09	57.08			
-7.0	94.15	99.62	98.55			
-8.0	98.92	106.99	101.48			
-9.0	105.15	105.79	104.97			
-10.0	100.88	104.57	104.53			
-3.0				<u>90.20</u>	<u>79.91</u>	<u>107.06</u>
-4.0				33.59	32.63	31.85
-5.0				68.19	81.75	83.49
-6.0				99.74	104.30	103.76
-7.0				103.40	94.16	77.61
-8.0				101.90	103.70	100.22
-9.0				85.59	102.44	104.42
-10.0				107.00	107.30	103.22

TRL TC 12 Standard Curve



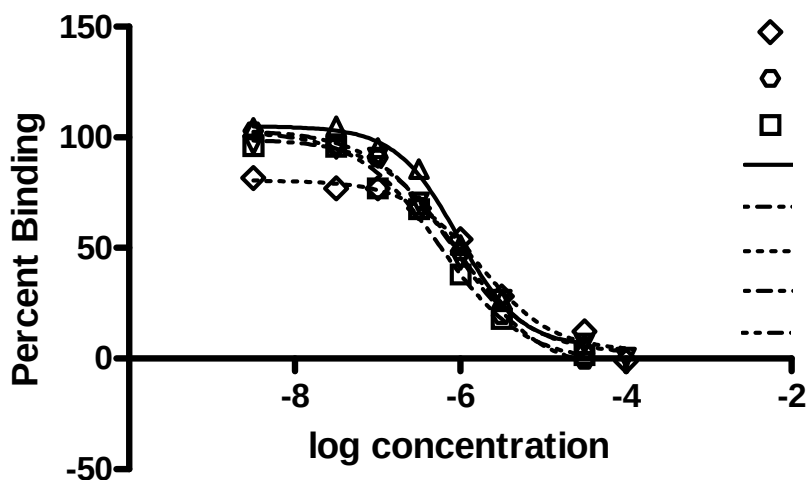
- ▲ TC 12 TTN001 SC (3/12) (blue)
- ▼ TC 12 TTN003 SC (3/28)(yellow)
- ◆ TC 12 RN001 SC (4/2) (yellow)
- TC 12 TTN006 SC (4/16) (blue)
- TC 12 RN013 SC (6/11) (yellow)
- TC 12 TTN001 SC (3/12) (blue)
- TC 12 TTN003 SC (3/28)(yellow)
- TC 12 RN001 SC (4/2) (yellow)
- .-.- TC 12 TTN006 SC (4/16) (blue)
- .-.- TC 12 RN013 SC (6/11) (yellow)

	TC 12 TTN001 SC (3/12) (blue)	TC 12 TTN003 SC (3/28)(yellow)	TC 12 RN001 SC (4/2) (yellow)	TC 12 TTN006 SC (4/16) (blue)	TC 12 RN013 SC (6/11) (yellow)
logIC50					
Best-fit values					
Bottom	-1.395	-1.417	-8.053	-2.223	-0.7372
Top	102.5	101.7	103.0	104.8	105.1
LogIC50	-8.854	-8.827	-8.810	-8.971	-9.057
HillSlope	-0.9872	-0.9697	-0.6438	-0.8872	-0.9605
Std. Error					
Bottom	0.3892	0.8772	3.339	0.9937	1.136
Top	0.5671	1.002	3.091	1.526	1.924
LogIC50	0.005539	0.01235	0.03150	0.01419	0.01888
HillSlope	0.01746	0.03679	0.06681	0.03893	0.05245
95% Confidence Intervals					
Bottom	-2.216 to -0.5741	-3.246 to 0.4131	-15.04 to -1.064	-4.303 to -0.1433	-3.135 to 1.660
Top	101.3 to 103.7	99.66 to 103.8	96.50 to 109.4	101.6 to 108.0	101.0 to 109.2
LogIC50	-8.866 to -8.842	-8.852 to -8.801	-8.876 to -8.744	-9.001 to -8.942	-9.097 to -9.017
HillSlope	-1.024 to -0.9503	-1.046 to -0.8930	-0.7836 to -0.5040	-0.9687 to -0.8057	-1.071 to -0.8498
Goodness of Fit					
Degrees of Freedom	17	20	19	19	17
R ²	0.9996	0.9983	0.9921	0.9978	0.9965
Absolute Sum of Squares	11.08	63.43	247.5	75.67	107.9
Sy.x	0.8074	1.781	3.609	1.996	2.520
Number of points					
Analyzed	21	24	23	23	21
Outliers (excluded, Q=1.0%)	3	0	0	1	3

log concentration	TC 12 TTN001 SC (3/12) (blue)			TC 12 TTN003 SC (3/28)(ye low)			TC 12 RN001 SC (4/2) (ye low)			TC 12 TTN006 SC (4/16) (blue)			TC 12 RN013 SC (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-10.000	88.220	91.310													
-11.000			97.580												
-11.000											92.040				
-9.000														27.780	
-10.000														108.130	
-11.000															92.180

log concentration	TC 12 TTN001 SC (3/12) (blue)			TC 12 TTN003 SC (3/28)(yellow)			TC 12 RN001 SC (4/2) (yellow)			TC 12 TTN006 SC (4/16) (blue)			TC 12 RN013 SC (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	-0.40	-0.65	-0.19												
-7.00	0.19	0.52	0.52												
-8.00	12.14	11.80	11.12												
-8.50	30.83	29.70	30.08												
-9.00	58.86	57.53	58.78												
-9.50	81.29	84.18	82.50												
-10.00	88.22	91.31	96.69												
-11.00	100.82	101.61	97.58												
-7.00				-1.70	-0.70	0.31									
-7.00				0.30	0.80	1.00									
-8.00				12.03	13.79	14.62									
-8.50				33.38	29.82	33.00									
-9.00				60.16	58.78	57.40									
-9.50				84.82	83.86	81.81									
-10.00				93.86	93.82	99.43									
-11.00				100.10	101.44	98.47									
-7.00							-0.01	1.14	1.39						
-7.00							2.94	-1.35	1.77						
-8.00							19.80	17.51	15.73						
-8.50							30.76	46.18	37.84						
-9.00							58.29	60.58	57.84						
-9.50							76.32	73.20							
-10.00							83.07	92.25	84.67						
-11.00							101.55	96.33	102.12						
-7.00										-1.40	-1.35	-1.55			
-7.00										-0.30	2.80	1.80			
-8.00										8.31	8.52	7.86			
-8.50										24.62	28.14	30.35			
-9.00										49.16	53.36	50.95			
-9.50										78.50	77.03	76.37			
-10.00										91.64	89.99	92.99			
-11.00										104.49	92.04	103.47			
-7.00													0.70	0.87	-0.18
-7.00													-0.30	-0.20	-0.90
-8.00													8.91	8.53	9.61
-8.50													22.15	21.75	19.86
-9.00													27.78	49.07	42.31
-9.50													79.07	73.78	74.11
-10.00													108.13	95.78	86.57
-11.00													102.43	105.39	92.18

TRL TC 12 Weak Positive



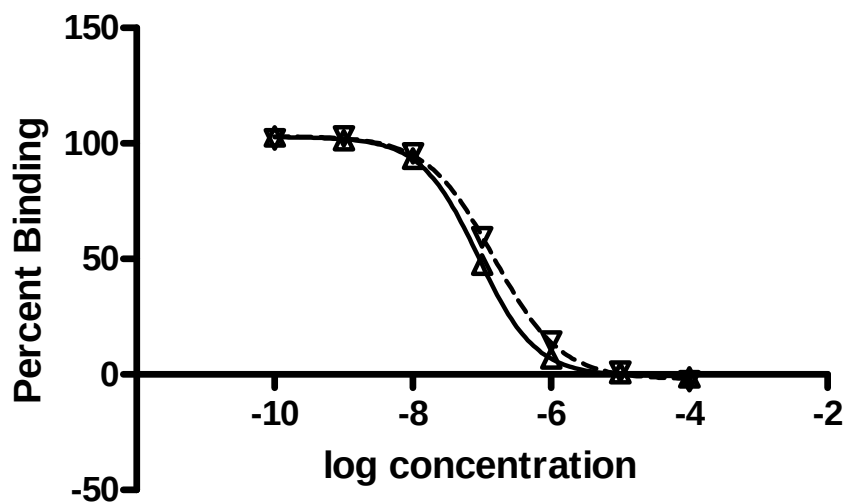
- ▲ TC 12 TTN001 WP (3/12) (blue)
- ▼ TC 12 TTN003 WP (3/28)(yellow)
- ◆ TC 12 RN001 WP (4/2) (yellow)
- TC 12 TTN006 WP (4/16) (blue)
- TC 12 RN013 WP (6/11) (yellow)
- TC 12 TTN001 WP (3/12) (blue)
- - - TC 12 TTN003 WP (3/28)(yellow)
- TC 12 RN001 WP (4/2) (yellow)
- . - TC 12 TTN006 WP (4/16) (blue)
- . . TC 12 RN013 WP (6/11) (yellow)

	TC 12 TTN001 WP (3/12) (blue)	TC 12 TTN003 WP (3/28)(yellow)	TC 12 RN001 WP (4/2) (yellow)	TC 12 TTN006 WP (4/16) (blue)	TC 12 RN013 WP (6/11) (yellow)
logIC50					
Best-fit values					
Bottom	5.133	2.304	3.260	-5.888	-1.602
Top	105.0	99.04	80.51	103.3	102.7
LogIC50	-5.949	-6.059	-5.951	-6.081	-6.231
HillSlope	-1.153	-0.9349	-0.9886	-0.8640	-0.8652
Std. Error					
Bottom	1.885	2.607	2.815	2.207	1.238
Top	1.228	2.451	1.921	1.430	1.129
LogIC50	0.01884	0.03492	0.04216	0.01843	0.01310
HillSlope	0.07421	0.1005	0.1400	0.05233	0.03781
95% Confidence Intervals					
Bottom	1.157 to 9.110	-3.173 to 7.780	-2.632 to 9.152	-10.54 to -1.232	-4.300 to 1.095
Top	102.4 to 107.6	93.89 to 104.2	76.49 to 84.53	100.2 to 106.3	100.3 to 105.2
LogIC50	-5.988 to -5.909	-6.132 to -5.985	-6.039 to -5.863	-6.120 to -6.043	-6.259 to -6.202
HillSlope	-1.310 to -0.9969	-1.146 to -0.7237	-1.282 to -0.6956	-0.9744 to -0.7536	-0.9475 to -0.7828
Goodness of Fit					
Degrees of Freedom	17	18	19	17	12
R ²	0.9954	0.9870	0.9816	0.9962	0.9987
Absolute Sum of Squares	132.0	375.5	355.7	110.9	28.92
Sy.x	2.787	4.567	4.327	2.555	1.552
Number of points					
Analyzed	21	22	23	21	16
Outliers (excluded, Q=1.0%)	0	0	0	0	4

	log concentration	TC 12 RN013 WP (6/11) (yellow)	
		Y1	Y2
	-6.500		74.870
	-7.000	93.800	54.720
	-8.500	85.590	

log concentration	TC 12 TTN001 WP (3/12) (blue)			TC 12 TTN003 WP (3/28)(yellow)			TC 12 RN001 WP (4/2) (yellow)			TC 12 TTN006 WP (4/16) (blue)			TC 12 RN013 WP (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	105.0	105.0	105.0												
-4.50	5.35	7.05	6.73												
-5.50	26.63	26.97	25.49												
-6.00	51.71	50.71	51.32												
-6.50	87.50	86.47	83.03												
-7.00	97.73	95.67	91.87												
-7.50	104.75	107.15	102.94												
-8.50	106.93	103.50	102.43												
-4.00					-0.91	1.69									
-4.50				6.21	6.21	7.93									
-5.50				27.31	24.79	27.81									
-6.00				39.03	48.03	46.52									
-6.50				70.46	69.29	72.01									
-7.00				85.74	95.03	91.64									
-7.50				99.26		90.34									
-8.50				103.82	88.13	98.38									
-4.00							-4.41		2.35						
-4.50							9.99	14.77	12.22						
-5.50							28.02	25.79	30.51						
-6.00							51.02	57.21	52.75						
-6.50							68.80	65.04	69.76						
-7.00							74.60	81.03	74.92						
-7.50							76.13	79.38	75.43						
-8.50							75.68	82.69	86.39						
-4.00										10.23		10.23			
-4.50										-0.79	-0.76	-0.54			
-5.50										18.50	18.72	20.89			
-6.00										48.01	48.28	48.91			
-6.50										70.16	68.06	67.86			
-7.00										89.51	89.36	93.06			
-7.50										95.32	95.50	97.46			
-8.50										99.25	104.80	104.87			
-4.00													1.05	2.08	1.38
-4.50													17.43	19.33	16.95
-5.50													36.61	41.52	36.14
-6.00													64.76	74.87	63.35
-6.50													93.80	54.72	82.45
-7.00														96.63	94.74
-7.50															
-8.50													85.59	100.66	101.89

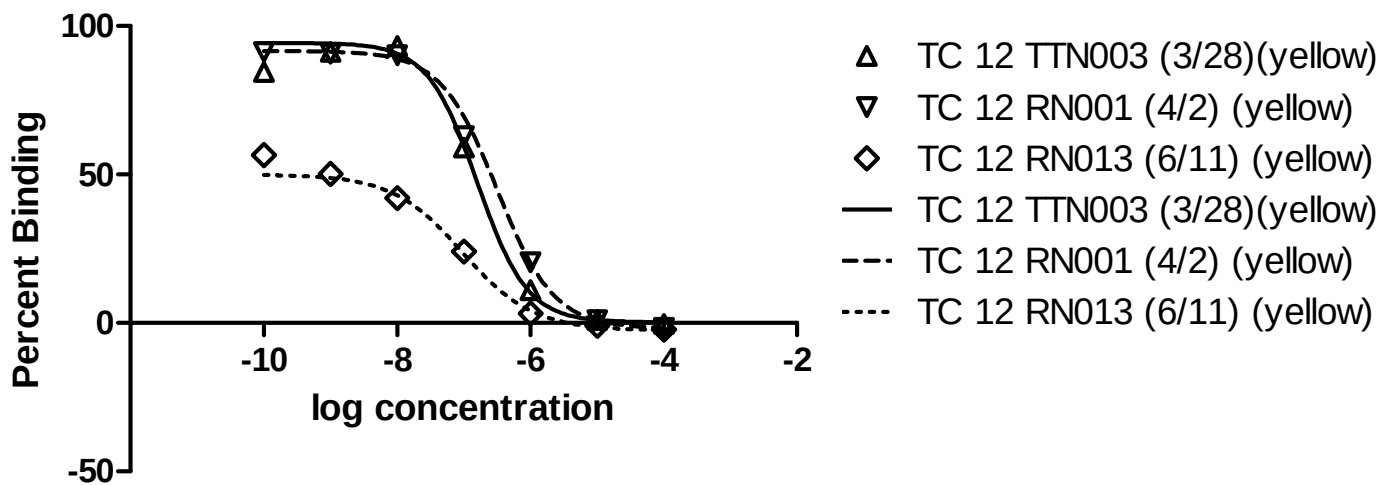
TRL TC 12 Acceptable



	TC 12 TTN001 (3/12) (blue)	TC 12 TTN006 (4/16) (blue)
logIC50		
Best-fit values		
Bottom	-0.6569	-2.107
Top	102.8	103.3
LogIC50	-7.039	-6.816
HillSlope	-1.048	-0.9044
Std. Error		
Bottom	0.8037	1.043
Top	0.8428	0.9212
LogIC50	0.01699	0.02109
HillSlope	0.05608	0.04683
95% Confidence Intervals		
Bottom	-2.353 to 1.039	-4.307 to 0.09408
Top	101.0 to 104.6	101.3 to 105.2
LogIC50	-7.075 to -7.003	-6.860 to -6.771
HillSlope	-1.167 to -0.9301	-1.003 to -0.8056
Goodness of Fit		
Degrees of Freedom	17	17
R ²	0.9985	0.9981
Absolute Sum of Squares	64.75	81.64
Sy x	1.952	2.191
Number of points		
Analyzed	21	21
Outliers (excluded, Q=1.0%)	0	0

log concentration	TC 12 TTN001 (3/12) (blue)			TC 12 TTN006 (4/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	46.16	57.71	52.44			
-4.0000	-1.39	-0.88	-1.25			
-5.0000	-1.07	1.77	1.28			
-6.0000	7.36	6.85	6.34			
-7.0000	49.92	48.72	43.94			
-8.0000	95.59	93.90	90.66			
-9.0000	99.42	102.08	102.62			
-10.0000	104.98	104.58	99.63			
-3.0000				74.0000	65.5000	62.7000
-4.0000				-2.1000	-3.0000	-3.7000
-5.0000				4.7000	0.0000	-1.1000
-6.0000				13.1000	13.6000	15.9000
-7.0000				58.0000	59.9000	60.5000
-8.0000				97.9400	95.3900	93.7600
-9.0000				99.2700	104.7600	105.2500
-10.0000				100.5600	103.2000	101.3500

TRL TC 12 Unacceptable

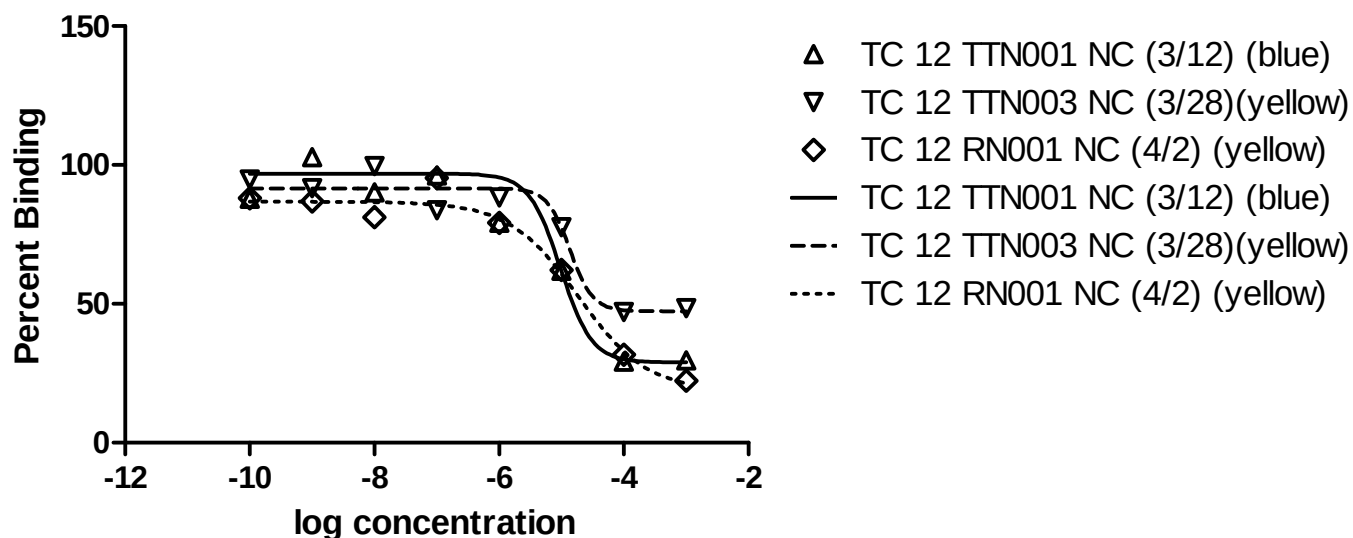


	TC 12 TTN003 (3/28)(yellow)	TC 12 RN001 (4/2) (yellow)	TC 12 RN013 (6/11) (yellow)
logIC50			Ambiguous
Best-fit values			
Bottom	0.2498	-1.795	-2.512
Top	94.37	91.60	~ 50.01
LogIC50	-6.840	-6.591	~ -11.49
HillSlope	-1.161	-1.023	-0.8248
Std. Error			
Bottom	1.631	1.494	3.258
Top	1.498	1.159	~ 0.4525
LogIC50	0.03479	0.03806	~ 20.90
HillSlope	0.1266	0.08036	0.3128
95% Confidence Intervals			
Bottom	-3.207 to 3.707	-4.963 to 1.374	-9.420 to 4.395
Top	91.20 to 97.55	89.14 to 94.06	(Very wide)
LogIC50	-6.913 to -6.766	-6.671 to -6.510	(Very wide)
HillSlope	-1.430 to -0.8930	-1.194 to -0.8528	-1.488 to -0.1616
Goodness of Fit			
Degrees of Freedom	16	16	16
R ²	0.9936	0.9954	0.9220
Absolute Sum of Squares	220.9	155.0	747.2
Sy.x	3.716	3.113	6.834
Number of points			
Analyzed	20	20	20
Outliers (excluded, Q=1.0%)	1	1	1

log concentration	TC 12 TTN003 (3/28)(yellow)			TC 12 RN001 (4/2) (yellow)			TC 12 RN013 (6/11) (yellow)	
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2
-10.000			62.890					
-7.000						50.320		
-10.000								82.700

log concentration	TC 12 TTN003 (3/28)(yellow)			TC 12 RN001 (4/2) (yellow)			TC 12 RN013 (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	99.06	100.00	100.00						
-4.00	1.14	-1.62	-0.45						
-5.00	0.10	4.28	-1.20						
-6.00	8.59	12.61	11.99						
-7.00	56.06	58.07	63.14						
-8.00	90.76	92.56	96.46						
-9.00	92.44	83.86	97.59						
-10.00	94.61	96.37	62.89						
-3.00				95.00	95.00	7.00			
-4.00				-0.14	-1.86	-3.13			
-5.00				1.77	-0.52	1.71			
-6.00				24.01	15.28	21.97			
-7.00				68.48	69.95	50.32			
-8.00				87.21	93.78	89.57			
-9.00				88.62	89.83	93.59			
-10.00				88.68	97.66	87.47			
-3.00							6.00	3.00	3.00
-4.00							-2.5	-1.6	-2.5
-5.00							-1.4	-0.7	-0.8
-6.00							2.4	3.5	3.6
-7.00							27.8	16.9	27.4
-8.00							34.6	47.1	44.6
-9.00							57.6	58.8	34.0
-10.00							36.5	82.7	50.4

TRL TC 12 Negative Control

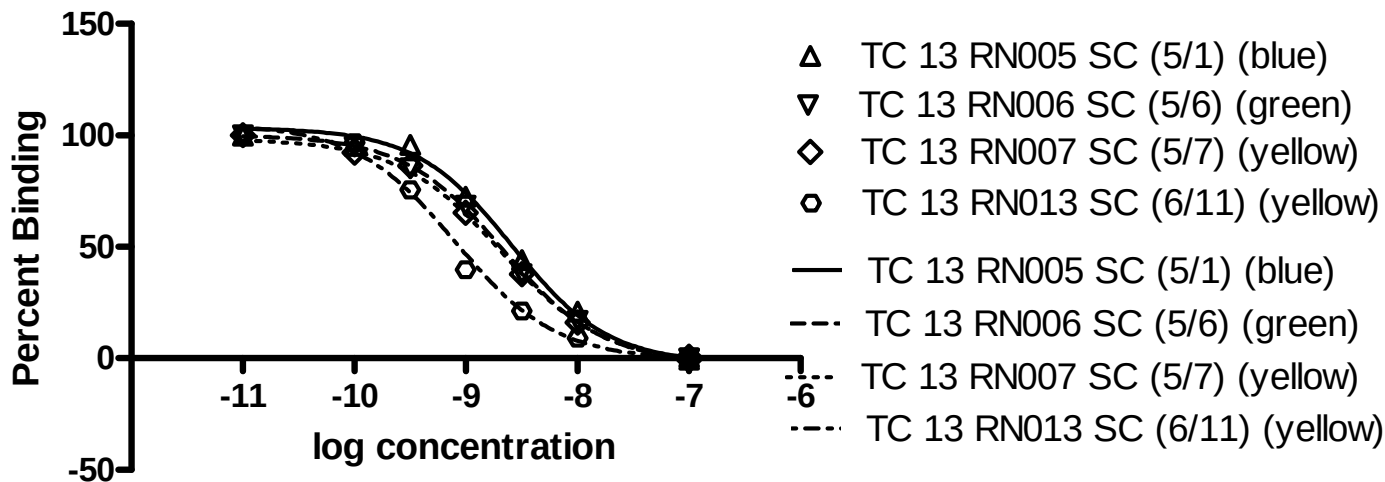


	TC 12 TTN001 NC (3/12) (blue)	TC 12 TTN003 NC (3/28)(yellow)	TC 12 RN001 NC (4/2) (yellow)
logIC50			
Best-fit values			
Bottom	28.90	47.36	18.45
Top	96.85	91.61	86.78
LogIC50	-4.815	-4.361	-4.642
HillSlope	-1.730	-2.389	-0.7840
Std. Error			
Bottom	2.891	9.607	3.979
Top	1.694	3.622	1.232
LogIC50	0.1258	3.243	0.06643
HillSlope	1.150	13.75	0.1200
95% Confidence Intervals			
Bottom	22.82 to 34.97	27.25 to 67.47	10.05 to 26.84
Top	93.29 to 100.4	84.03 to 99.19	84.18 to 89.38
LogIC50	-5.080 to -4.551	-11.15 to 2.427	-4.782 to -4.502
HillSlope	-4.146 to 0.6856	-31.17 to 26.39	-1.037 to -0.5309
Goodness of Fit			
Degrees of Freedom	18	19	17
R²	0.9697	0.6668	0.9806
Absolute Sum of Squares	592.8	3641	239.5
Sy x	5.739	13.84	3.754
Number of points			
Analyzed	22	23	21
Outliers (excluded, Q=1.0%)	2	0	2

log concentration	TC 12 TTN001 NC (3/12) (blue)			TC 12 TTN003 NC (3/28)(yellow)			TC 12 RN001 NC (4/2) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-6.000			48.590						
-10.000			64.290						
-7.000									119.520
-8.000							67.910		

log concentration	TC 12 TTN001 NC (3/12) (blue)			TC 12 TTN003 NC (3/28)(yellow)			TC 12 RN001 NC (4/2) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	29.27	30.36	29.50						
-4.00	29.39	31.00	27.27						
-5.00	64.86	69.58	51.38						
-6.00	86.88	102.10	48.59						
-7.00	93.17	98.30	97.28						
-8.00	91.66	89.37	89.67						
-9.00	102.94	100.44	105.16						
-10.00	99.81	99.44	64.29						
-3.00				7.69	57.40	39.44			
-4.00				54.76	51.42	34.88			
-5.00				79.67	78.37	74.65			
-6.00				94.95	105.41	64.69			
-7.00				56.65	97.29	97.04			
-8.00				89.47	106.17	102.86			
-9.00				96.37	103.66	74.86			
-10.00				83.14	99.47	101.69			
-3.00							26.49	18.15	46.99
-4.00							32.80	32.36	29.87
-5.00							64.60	59.05	63.00
-6.00							77.85	85.05	74.73
-7.00							86.26	80.01	119.52
-8.00							67.91	88.30	87.28
-9.00							89.89	89.83	81.03
-10.00							84.73	89.64	89.89

TRL TC 13 Standard Curve

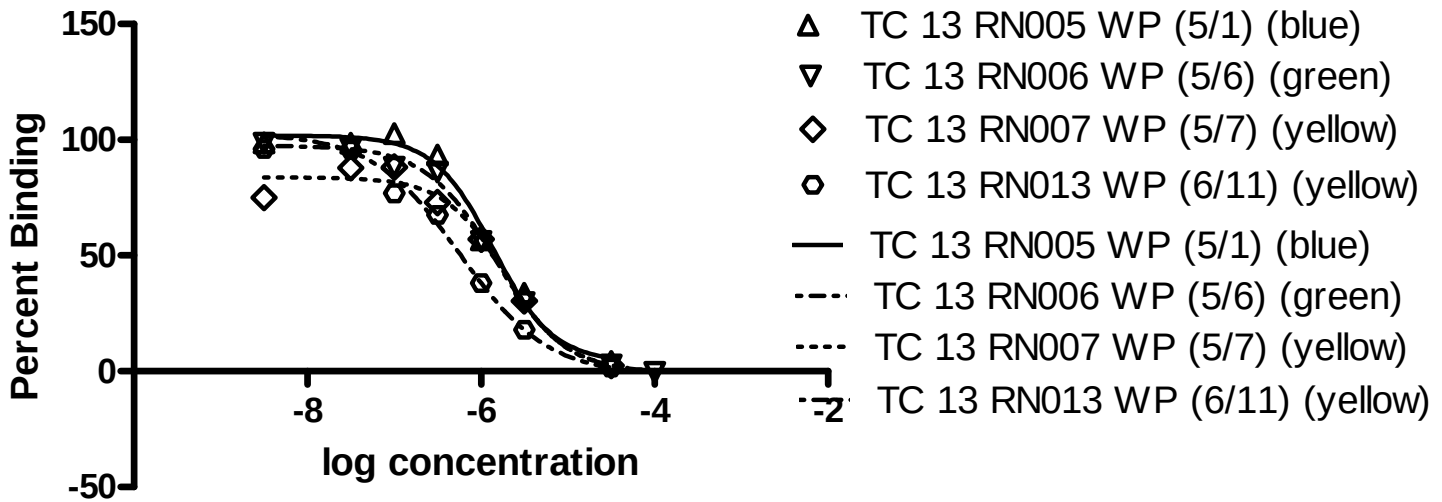


	TC 13 RN005 SC (5/1) (blue)	TC 13 RN006 SC (5/6) (green)	TC 13 RN007 SC (5/7) (yellow)	TC 13 RN013 SC (6/11) (yellow)
logIC50				
Best-fit values				
Bottom	-2.306	-2.348	-2.658	-0.7372
Top	103.4	100.1	98.23	105.1
LogIC50	-8.577	-8.690	-8.722	-9.057
HillSlope	-1.005	-0.9725	-0.9385	-0.9605
Std. Error				
Bottom	1.551	1.040	0.7266	1.136
Top	1.684	1.014	0.8068	1.924
LogIC50	0.01989	0.01465	0.009642	0.01888
HillSlope	0.06716	0.04213	0.02997	0.05245
95% Confidence Intervals				
Bottom	-5.579 to 0.9671	-4.525 to -0.1702	-4.184 to -1.131	-3.135 to 1.660
Top	99.81 to 106.9	98.00 to 102.2	96.53 to 99.92	101.0 to 109.2
LogIC50	-8.619 to -8.535	-8.721 to -8.659	-8.742 to -8.701	-9.097 to -9.017
HillSlope	-1.146 to -0.8631	-1.061 to -0.8844	-1.002 to -0.8756	-1.071 to -0.8498
Goodness of Fit				
Degrees of Freedom	17	19	18	17
R ²	0.9961	0.9981	0.9990	0.9965
Absolute Sum of Squares	135.1	70.75	30.40	107.9
Sy.x	2.819	1.930	1.300	2.520
Number of points				
Analyzed	21	23	22	21
Outliers (excluded, Q=1.0%)	1	0	2	3

log concentration	TC 13 RN005 SC (5/1) (blue)			TC 13 RN006 SC (5/6) (green)			TC 13 RN007 SC (5/7) (yellow)			TC 13 RN013 SC (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-11.000	92.990											
-9.500								93.590				
-11.000									103.360			
-9.000										27.780		
-10.000										108.130		
-11.000												92.180

log concentration	TC 13 RN005 SC (5/1) (blue)			TC 13 RN006 SC (5/6) (green)			TC 13 RN007 SC (5/7) (yellow)			TC 13 RN013 SC (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	0.70	0.23	0.75									
-7.00	-1.19	-0.03	-0.46									
-8.00	22.49	20.51	19.82									
-8.50	44.20	44.16	43.99									
-9.00	71.89		73.01									
-9.50	92.99	98.64	95.49									
-10.00	92.91		97.73									
-11.00	92.99	105.18	101.82									
-7.00				0.19	0.05	0.17						
-7.00				-0.58	-0.06	0.23						
-8.00				15.38	17.16	17.68						
-8.50				35.84		39.57						
-9.00				65.59	69.07	70.38						
-9.50				84.28	84.88	86.79						
-10.00				94.48	95.62	94.79						
-11.00				96.33	104.02	99.65						
-7.00							0.57	0.53	1.16			
-7.00							-0.47	-0.60	-1.19			
-8.00							15.95	17.05	15.15			
-8.50							38.23	37.07	38.04			
-9.00							67.62	65.08	62.92			
-9.50							82.43	93.59	83.45			
-10.00							90.97	91.82	93.78			
-11.00							96.96	99.68	103.36			
-7.00										0.70	0.87	-0.18
-7.00										-0.30	-0.20	-0.90
-8.00										8.91	8.53	9.61
-8.50										22.15	21.75	19.86
-9.00										27.78	49.07	42.31
-9.50										79.07	73.78	74.11
-10.00										108.13	95.78	86.57
-11.00										102.43	105.39	92.18

TRL TC 13 Weak Positive



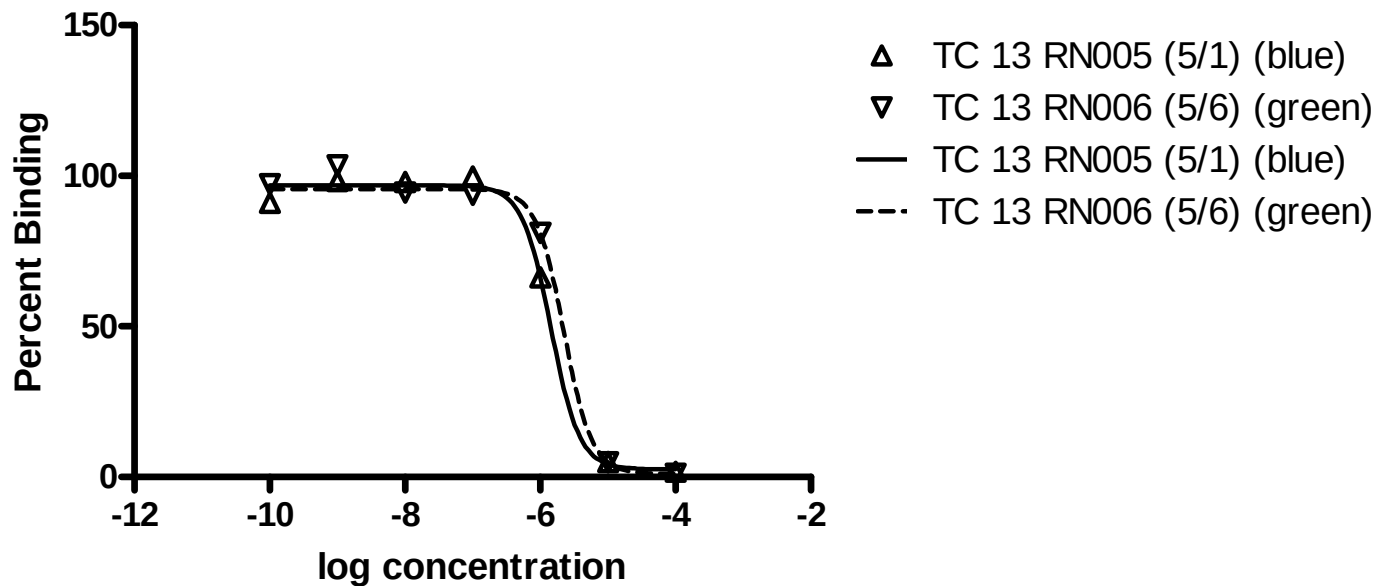
	TC 13 RN005 WP (5/1) (blue)	TC 13 RN006 WP (5/6) (green)	TC 13 RN007 WP (5/7) (yellow)	TC 13 RN013 WP (6/11) (yellow)
logIC50				
Best-fit values				
Bottom	3.968	-0.8722	0.1083	-1.602
Top	101.9	97.47	83.79	102.7
LogIC50	-5.818	-5.862	-5.855	-6.231
HillSlope	-1.267	-1.086	-1.229	-0.8652
Std. Error				
Bottom	4.105	1.790	4.700	1.238
Top	2.333	1.413	2.348	1.129
LogIC50	0.03886	0.02196	0.04838	0.01310
HillSlope	0.1818	0.08227	0.2318	0.03781
95% Confidence Intervals				
Bottom	-4.693 to 12.63	-4.633 to 2.888	-9.808 to 10.02	-4.300 to 1.095
Top	96.98 to 106.8	94.50 to 100.4	78.83 to 88.74	100.3 to 105.2
LogIC50	-5.900 to -5.736	-5.908 to -5.816	-5.957 to -5.753	-6.259 to -6.202
HillSlope	-1.650 to -0.8829	-1.259 to -0.9129	-1.718 to -0.7397	-0.9475 to -0.7828
Goodness of Fit				
Degrees of Freedom	17	18	17	12
R ²	0.9781	0.9943	0.9657	0.9987
Absolute Sum of Squares	603.7	178.6	642.1	28.92
Sy.x	5.959	3.150	6.146	1.552
Number of points				
Analyzed	21	22	21	16
Outliers (excluded, Q=1.0%)	0	0	0	4

	log concentration	TC 13 RN013 WP (6/11) (yellow)	
		Y1	Y2
	-6.500		74.870
	-7.000	93.800	54.720
	-8.500	85.590	

log concentration	TC 13 RN005 WP (5/1) (blue)			TC 13 RN006 WP (5/6) (green)			TC 13 RN007 WP (5/7) (yellow)			TC 13 RN013 WP (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	118.86	126.26	100.86									
-4.50	4.19	4.06	4.41									
-5.00	34.86	31.75	34.77									
-5.50	55.87	56.09	58.11									
-6.00	86.79	103.50	90.11									
-6.50	98.08	104.88	105.53									
-7.00	94.54	98.46	102.51									
-7.50	95.36	98.81	102.25									
-8.00												
-4.00					-0.15	-0.65						
-4.50				1.15	4.78	2.24						
-5.00				27.34	32.33	29.38						
-5.50				55.09	57.29	55.76						
-6.00				84.22	85.75	88.13						
-6.50				88.92	90.32	85.49						
-7.00					98.10	94.80						
-7.50				97.55	99.65	98.41						
-8.00												
-4.00							11.06	66.79	50.04			
-4.50							2.23	2.64	2.31			
-5.00							29.31	32.05	29.79			
-5.50							59.58	58.72	53.01			
-6.00							76.56	63.56	78.79			
-6.50							89.43	86.04	89.22			
-7.00							86.17	90.17	87.58			
-7.50							71.74	76.74	76.99			
-8.00												
-4.00										25.03	19.03	29.76
-4.50										1.05	2.08	1.38
-5.00										17.43	19.33	16.95
-5.50										36.61	41.52	36.14
-6.00										64.76	74.87	63.35
-6.50										93.80	54.72	82.45
-7.00											96.63	94.74
-7.50												
-8.00										85.59	100.66	101.89

TRL TC 13

Acceptable

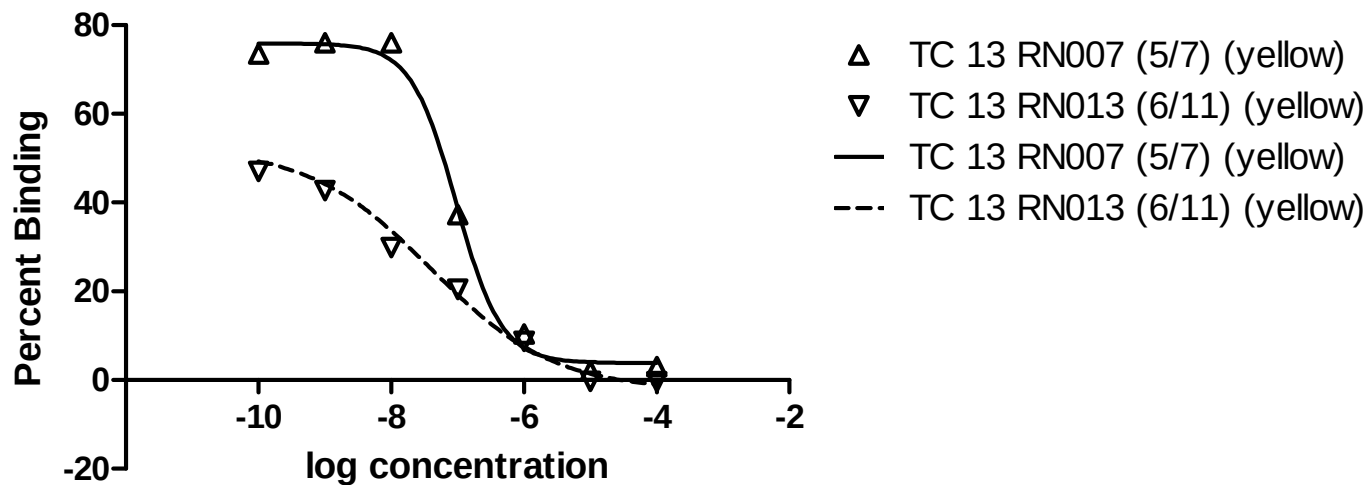


	TC 13 RN005 (5/1) (blue)	TC 13 RN006 (5/6) (green)
logIC50		
Best-fit values		
Bottom	2.624	1.111
Top	96.81	95.61
LogIC50	-5.847	-5.664
HillSlope	-2.064	-2.113
Std. Error		
Bottom	3.892	2.428
Top	1.985	1.025
LogIC50	0.1058	0.05710
HillSlope	1.400	0.3576
95% Confidence Intervals		
Bottom	-5.589 to 10.84	-4.062 to 6.285
Top	92.62 to 101.0	93.42 to 97.79
LogIC50	-6.070 to -5.624	-5.785 to -5.542
HillSlope	-5.017 to 0.8892	-2.875 to -1.350
Goodness of Fit		
Degrees of Freedom	17	15
R ²	0.9782	0.9943
Absolute Sum of Squares	774.1	171.3
Sy.x	6.748	3.380
Number of points		
Analyzed	21	19
Outliers (excluded, Q=1.0%)	0	1

	log concentration	TC 13 RN006 (5/6) (green)	
		Y1	Y2
	-9.000		115.210

log concentration	TC 13 RN005 (5/1) (blue)			TC 13 RN006 (5/6) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	78.46	78.46	78.46			
-4.0000	-0.07	3.98	1.69			
-5.0000	5.61	5.27	4.45			
-6.0000	55.10	74.05	69.61			
-7.0000	97.09	95.84	106.52			
-8.0000	88.56	110.01	95.10			
-9.0000	91.92	104.92	97.77			
-10.0000	95.10	89.33	88.60			
-3.0000				418.7400	418.9600	418.7000
-4.0000				1.5300		0.9300
-5.0000				4.1500	5.6900	4.8600
-6.0000				82.2500	78.1800	82.9400
-7.0000				89.6300	95.7300	95.7900
-8.0000				90.0300	97.0200	96.3300
-9.0000				94.0500	115.2100	101.0800
-10.0000				91.4800	99.4700	100.5500

TRL TC 13 Unacceptable



	TC 13 RN007 (5/7) (yellow)	TC 13 RN013 (6/11) (yellow)
logIC50		
Best-fit values		
Bottom	3.856	-2.383
Top	75.91	52.33
LogIC50	-7.215	-10.26
HillSlope	-1.283	-0.4711
Std. Error		
Bottom	1.525	3.767
Top	1.417	5.320
LogIC50	0.05919	1.314
HillSlope	0.2509	0.1440
95% Confidence Intervals		
Bottom	0.5846 to 7.128	-10.37 to 5.604
Top	72.87 to 78.95	41.05 to 63.60
LogIC50	-7.342 to -7.088	-13.05 to -7.477
HillSlope	-1.821 to -0.7444	-0.7762 to -0.1659
Goodness of Fit		
Degrees of Freedom	14	16
R ²	0.9913	0.9422
Absolute Sum of Squares	170.7	436.7
Sy x	3.492	5.224
Number of points		
Analyzed	18	20
Outliers (excluded, Q=1.0%)	0	1

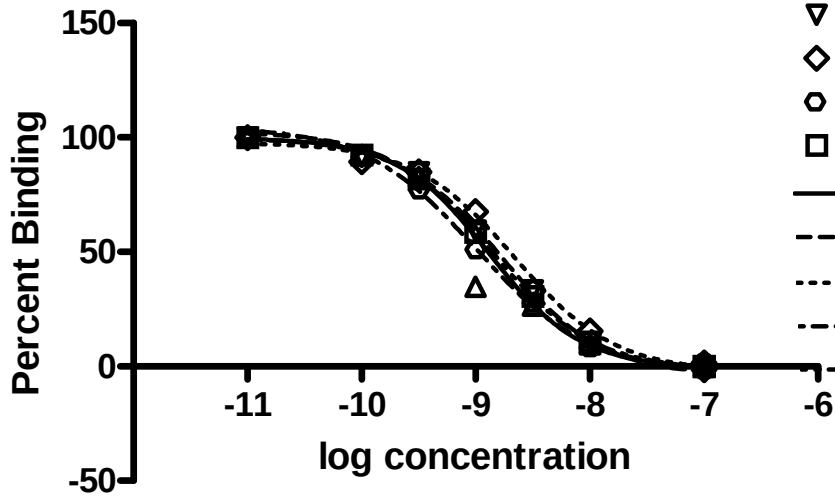
	log concentration	TC 13 RN013 (6/11) (yellow)	
		Y1	Y2
	-9.000		25.400

log concentration	TC 13 RN007 (5/7) (yellow)			TC 13 RN013 (6/11) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.00		25.00	25.00			
-4.00		2.72	3.31			
-5.00	1.67	1.82	2.63			
-6.00	10.26	10.28	10.53			
-7.00		35.84	38.72			
-8.00	73.26	78.78				
-9.00	73.93	79.19	74.94			
-10.00	70.33	71.58	78.61			
-3.00				-107.70	-107.00	-103.40
-4.00				-0.50	-0.70	0.00
-5.00				-0.30	-0.40	-0.20
-6.00				10.50	6.40	9.20
-7.00				20.60	19.60	21.20
-8.00				25.80	38.80	25.10
-9.00				46.20	25.40	56.50
-10.00				46.80	53.20	41.00

TRL TC 14
Weak Positive

TRL TC 14
Unacceptable

TRL TC 15 Standard Curve



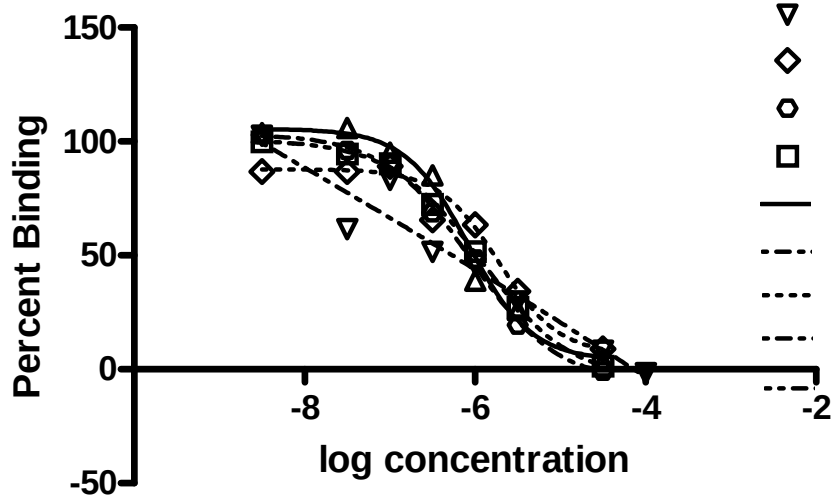
- ▲ TC 15 TTN002 (3/18) (blue)
- ▼ TC 15 TTN004 SC (4/7) (red)
- ◆ TC 15 RN002 SC (4/9) (yellow)
- TC 15 TTN006 SC (4/16) (blue)
- TC 15 TTN017 SC (5/14)(yellow)
- TC 15 TTN002 (3/18) (blue)
- TC 15 TTN004 SC (4/7) (red)
- TC 15 RN002 SC (4/9) (yellow)
- .-.- TC 15 TTN006 SC (4/16) (blue)
- .-.- TC 15 TTN017 SC (5/14)(yellow)

	TC 15 TTN002 (3/18) (blue)	TC 15 TTN004 SC (4/7) (red)	TC 15 RN002 SC (4/9) (yellow)	TC 15 TTN006 SC (4/16) (blue)	TC 15 TTN017 SC (5/14)(yellow)
logIC50					
Best-fit values					
Bottom	-0.8440	-4.099	-2.493	-2.223	-1.642
Top	99.78	99.83	97.75	104.8	102.5
LogIC50	-8.893	-8.812	-8.702	-8.971	-8.857
HillSlope	-1.082	-0.9799	-0.9834	-0.8872	-0.9797
Std. Error					
Bottom	0.7692	1.805	1.996	0.9937	0.4059
Top	0.9688	1.820	1.930	1.526	0.5667
LogIC50	0.01670	0.02291	0.02866	0.01419	0.005762
HillSlope	0.04122	0.07009	0.08370	0.03893	0.01798
95% Confidence Intervals					
Bottom	-2.467 to 0.7790	-7.877 to -0.3207	-6.670 to 1.684	-4.303 to -0.1433	-2.495 to -0.7896
Top	97.73 to 101.8	96.02 to 103.6	93.71 to 101.8	101.6 to 108.0	101.3 to 103.7
LogIC50	-8.928 to -8.857	-8.860 to -8.764	-8.762 to -8.642	-9.001 to -8.942	-8.869 to -8.845
HillSlope	-1.169 to -0.9950	-1.127 to -0.8332	-1.159 to -0.8082	-0.9687 to -0.8057	-1.018 to -0.9420
Goodness of Fit					
Degrees of Freedom	17	19	19	19	18
R ²	0.9986	0.9941	0.9927	0.9978	0.9996
Absolute Sum of Squares	50.73	211.1	263.1	75.67	12.64
Sy.x	1.727	3.333	3.721	1.996	0.8379
Number of points					
Analyzed	21	23	23	23	22
Outliers (excluded, Q=1.0%)	3	0	1	1	2

log concentration	TC 15 TTN002 (3/18) (blue)			TC 15 TTN004 SC (4/7) (red)			TC 15 RN002 SC (4/9) (ye low)			TC 15 TTN006 SC (4/16) (blue)			TC 15 TTN017 SC (5/14)(ye low)	
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2
-9.000	34.520	32.580	37.120											
-8.500							23.690							
-11.000										92.040				
-10.000													85.920	
-11.000														96.990

log concentration	TC 15 TTN002 (3/18) (blue)			TC 15 TTN004 SC (4/7) (red)			TC 15 RN002 SC (4/9) (yellow)			TC 15 TTN006 SC (4/16) (blue)			TC 15 TTN017 SC (5/14)(ye low)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	-0.04	-0.26	0.27												
-7.00	-0.18	0.37	-0.16												
-8.00	9.25	10.11	9.41												
-8.50	28.06	28.17	23.69												
-9.00	34.52	32.58	37.12												
-9.50	83.47	82.54	82.43												
-10.00	91.39	93.14	92.79												
-11.00	102.55	101.31	96.15												
-7.00				-2.28	10.26	-2.04									
-7.00				-3.20	-0.80	-1.90									
-8.00				10.26	8.94	11.88									
-8.50				33.23	34.01	32.75									
-9.00				59.50	60.82	58.12									
-9.50				88.40	80.01	85.65									
-10.00				93.86	96.20	84.93									
-11.00				100.34	94.52	105.14									
-7.00							1.19	0.81	2.04						
-7.00							-3.15	0.54	-1.44						
-8.00							15.12	15.12	15.87						
-8.50							23.69	39.82	35.69						
-9.00							60.50	72.77	69.71						
-9.50							85.03	86.27	83.32						
-10.00							82.84	91.20	94.04						
-11.00							101.48	100.30	98.21						
-7.00										-1.40	-1.35	-1.55			
-7.00										-0.30	2.80	1.80			
-8.00										8.31	8.52	7.86			
-8.50										24.62	28.14	30.35			
-9.00										49.16	53.36	50.95			
-9.50										78.50	77.03	76.37			
-10.00										91.64	89.99	92.99			
-11.00										104.49	92.04	103.47			
-7.00													-0.04	0.40	-0.02
-7.00													-0.30	0.10	-0.10
-8.00													11.40	10.53	10.53
-8.50													29.49	30.33	31.70
-9.00													56.97	59.33	59.31
-9.50													82.55	80.65	82.49
-10.00													85.92	95.68	95.82
-11.00													101.53	96.99	101.47

TRL TC 15 Weak Positive



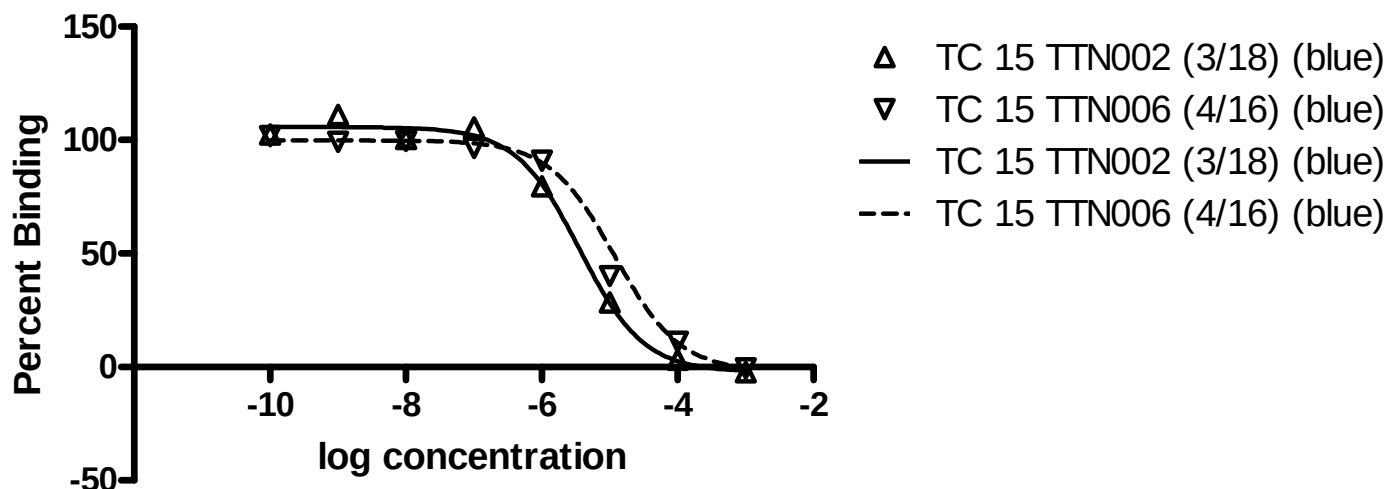
- ▲ TC 15 TTN002 WP (3/18)(blue)
- ▼ TC 15 TTN004 WP (4/7) (red)
- ◆ TC 15 RN002 WP (4/9) (yellow)
- TC 15 TTN006 WP (4/16) (blue)
- TC 15 TTN017 WP (5/14)(yellow)
- TC 15 TTN002 WP (3/18)(blue)
- - - TC 15 TTN004 WP (4/7) (red)
- - - TC 15 RN002 WP (4/9) (yellow)
- - - TC 15 TTN006 WP (4/16) (blue)
- - - TC 15 TTN017 WP (5/14)(yellow)

	TC 15 TTN002 WP (3/18)(blue)	TC 15 TTN004 WP (4/7) (red)	TC 15 RN002 WP (4/9) (yellow)	TC 15 TTN006 WP (4/16) (blue)	TC 15 TTN017 WP (5/14)(yellow)
logIC50		Ambiguous			
Best-fit values					
Bottom	3.929	-3097	6.463	-5.888	-5.214
Top	105.5	-704.7	87.83	103.3	100.7
LogIC50	-6.010	-6.270	-5.775	-6.081	-5.975
HillSlope	-1.174	-0.01825	-1.233	-0.8640	-0.8206
Std. Error					
Bottom	3.401	-1.789e+006	4.892	2.207	2.749
Top	2.304	-76915	2.443	1.430	1.515
LogIC50	0.03758	0.1623	0.05105	0.01843	0.02115
HillSlope	0.1368	-3.566	0.2583	0.05233	0.05889
95% Confidence Intervals					
Bottom	-3.281 to 11.14	(Very wide)	-3.907 to 16.83	-10.54 to -1.232	-11.02 to 0.5863
Top	100.6 to 110.4	(Very wide)	82.65 to 93.01	100.2 to 106.3	97.55 to 103.9
LogIC50	-6.090 to -5.930	-6.611 to -5.929	-5.883 to -5.666	-6.120 to -6.043	-6.019 to -5.930
HillSlope	-1.464 to -0.8841	(Very wide)	-1.780 to -0.6851	-0.9744 to -0.7536	-0.9449 to -0.6964
Goodness of Fit					
Degrees of Freedom	16	18	16	17	17
R ²	0.9860	0.8727	0.9628	0.9962	0.9951
Absolute Sum of Squares	428.1	2826	653.9	110.9	123.3
Sy.x	5.172	12.53	6.393	2.555	2.693
Number of points					
Analyzed	20	22	20	21	21
Outliers (excluded, Q=1.0%)	1	0	1	0	0

log concentration	TC 15 TTN002 WP (3/18)(blue)			TC 15 TTN004 WP (4/7) (red)			TC 15 RN002 WP (4/9) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-6.000		33.590							
-6.500									45.600

log concentration	TC 15 TTN002 WP (3/18)(blue)			TC 15 TTN004 WP (4/7) (red)			TC 15 RN002 WP (4/9) (yellow)			TC 15 TTN006 WP (4/16) (blue)			TC 15 TTN017 WP (5/14)(yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	100.0	100.0	100.0												
-4.50	3.68	3.97	3.12												
-5.00	21.83	29.61	26.23												
-6.00	36.61	33.59	46.78												
-6.50	84.25	85.82	85.34												
-7.00	94.75	95.60	95.10												
-7.50	105.32	107.17	105.01												
-8.50	107.42	105.96	97.60												
-4.00				-1.68	10.74	6.42									
-4.50				10.74	7.08	6.42									
-5.00				29.39	30.71	28.97									
-6.00				52.90	50.62	35.27									
-6.50				42.76	57.40	54.52									
-7.00				83.85	95.60	69.75									
-7.50				78.03	51.94	54.58									
-8.50				107.78	101.90	97.88									
-4.00							290.93	93.96	30.96						
-4.50							9.81	9.28	7.88						
-5.00							33.07	34.62	34.83						
-6.00							66.18	57.92	66.18						
-6.50							78.44	72.82	45.60						
-7.00							83.86	92.91	90.50						
-7.50							79.68	93.50	87.23						
-8.50							95.54	93.77	71.05						
-4.00										10.94					
-4.50										-0.79	-0.76	-0.54			
-5.00										18.50	18.72	20.89			
-6.00										48.01	48.28	48.91			
-6.50										70.16	68.06	67.86			
-7.00										89.51	89.36	93.06			
-7.50										95.32	95.50	97.46			
-8.50										99.25	104.80	104.87			
-4.00													1.21	1.67	1.35
-4.50													26.30	28.42	27.25
-5.00													52.42	51.79	51.15
-6.00													67.26	71.33	78.47
-7.00													90.29	90.47	90.19
-7.50													92.81	97.19	93.64
-8.50													96.73	103.48	99.73

TRL TC 15 Acceptable

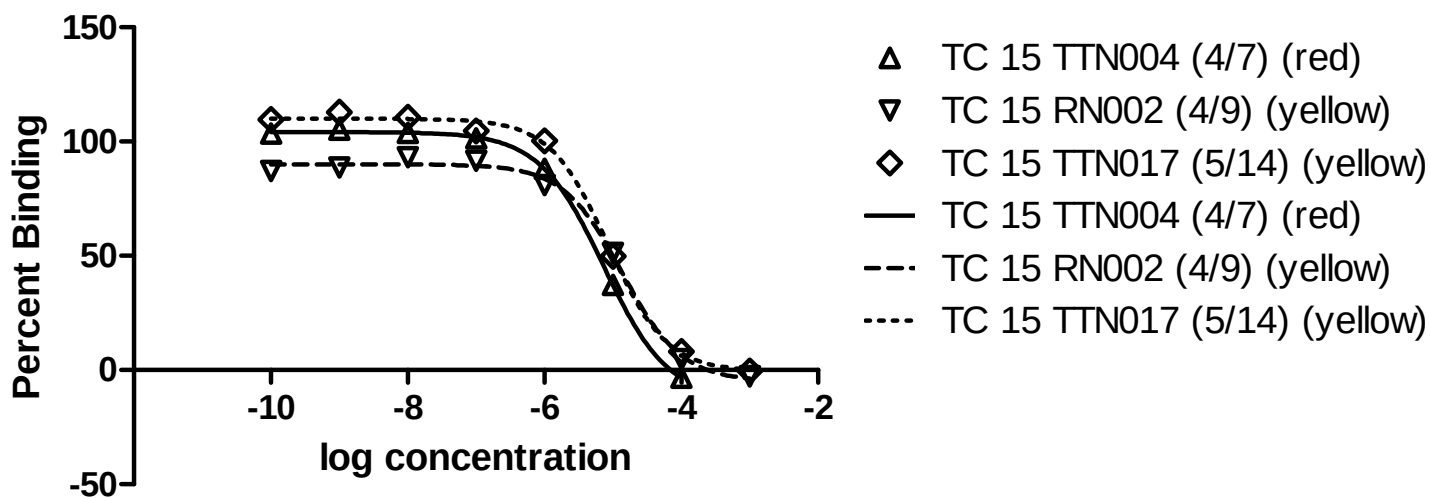


	TC 15 TTN002 (3/18) (blue)	TC 15 TTN006 (4/16) (blue)
logIC50		
Best-fit values		
Bottom	-2.167	-2.236
Top	105.7	99.89
LogIC50	-5.410	-4.947
HillSlope	-0.9263	-0.9026
Std. Error		
Bottom	2.423	1.950
Top	1.504	0.8305
LogIC50	0.04497	0.04008
HillSlope	0.08827	0.06580
95% Confidence Intervals		
Bottom	-7.222 to 2.888	-6.333 to 1.861
Top	102.6 to 108.9	98.15 to 101.6
LogIC50	-5.504 to -5.316	-5.031 to -4.863
HillSlope	-1.110 to -0.7421	-1.041 to -0.7644
Goodness of Fit		
Degrees of Freedom	20	18
R ²	0.9909	0.9964
Absolute Sum of Squares	446.5	134.5
Sy x	4.725	2.733
Number of points		
Analyzed	24	22
Outliers (excluded, Q=1.0%)	0	2

	log concentration	TC 15 TTN006 (4/16) (blue)		
		Y1	Y2	Y3
	-5.000		33.220	35.000

log concentration	TC 15 TTN002 (3/18) (blue)			TC 15 TTN006 (4/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	-2.76	-1.34	-2.56			
-4.0000	3.82	3.12	2.71			
-5.0000	28.60	28.33	28.15			
-6.0000	76.24	80.31	82.31			
-7.0000	101.89	109.55	105.54			
-8.0000	101.77	105.91	93.43			
-9.0000	106.82	116.31	109.98			
-10.0000	98.47	102.35	106.25			
-3.0000				1.4700	-1.8300	-1.2800
-4.0000				9.8700	11.6800	11.6100
-5.0000				51.8900	33.2200	35.0000
-6.0000				86.3100	95.1400	91.1400
-7.0000				94.4800	97.6400	97.7600
-8.0000				96.3800	99.9700	102.6100
-9.0000				95.8800	103.0600	98.9300
-10.0000				99.4100	103.0400	102.9100

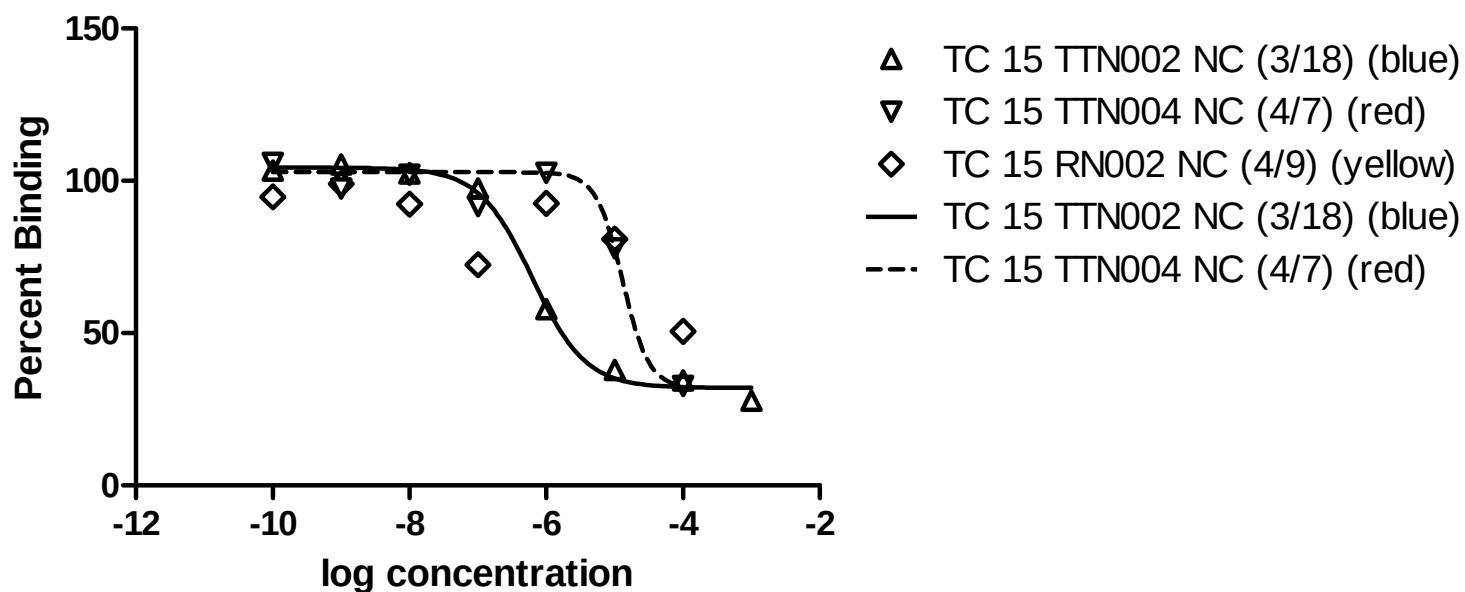
TRL TC 15 Unacceptable



	TC 15 TTN004 (4/7) (red)	TC 15 RN002 (4/9) (yellow)	TC 15 TTN017 (5/14) (yellow)
logIC50			
Best-fit values			
Bottom	-13.16	-5.029	-0.7919
Top	104.1	89.98	109.9
LogIC50	-5.206	-4.999	-4.997
HillSlope	-0.9201	-1.006	-1.026
Std. Error			
Bottom	2.958	2.731	2.230
Top	0.7781	1.221	1.175
LogIC50	0.02178	0.04043	0.03285
HillSlope	0.06129	0.1233	0.1008
95% Confidence Intervals			
Bottom	-19.40 to -6.917	-10.74 to 0.6867	-5.444 to 3.860
Top	102.4 to 105.7	87.43 to 92.54	107.5 to 112.4
LogIC50	-5.252 to -5.161	-5.083 to -4.914	-5.065 to -4.928
HillSlope	-1.049 to -0.7907	-1.264 to -0.7478	-1.236 to -0.8154
Goodness of Fit			
Degrees of Freedom	17	19	20
R ²	0.9969	0.9906	0.9937
Absolute Sum of Squares	102.9	308.3	305.2
Sy.x	2.461	4.028	3.906
Number of points			
Analyzed	21	23	24
Outliers (excluded, Q=1.0%)	0	0	0

log concentration	TC 15 TTN004 (4/7) (red)			TC 15 RN002 (4/9) (yellow)			TC 15 TTN017 (5/14) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	101.78	101.66	101.66						
-4.00	100.94	100.94	100.94						
-5.00	100.94	100.94	100.94						
-6.00	100.94	100.94	100.94						
-7.00	100.94	100.94	100.94						
-8.00	100.94	100.94	100.94						
-9.00	100.94	100.94	100.94						
-10.00	100.94	100.94	100.94						
-3.00				-0.58	-4.97	-2.72			
-4.00				3.44	5.21	5.80			
-5.00				55.30	45.50	53.16			
-6.00				83.00	79.41	80.16			
-7.00				88.46	92.64	93.61			
-8.00				93.66	94.73	90.87			
-9.00				80.69	94.84	90.28			
-10.00				86.21		87.82			
-3.00							-2.0	-1.4	2.3
-4.00							7.6	8.9	7.7
-5.00							50.1	47.7	51.4
-6.00							95.0	103.4	102.3
-7.00							102.1	104.9	107.0
-8.00							102.2	114.4	114.9
-9.00							109.7	113.6	114.8
-10.00							105.8	109.2	113.7

TRL TC 15 Negative Control

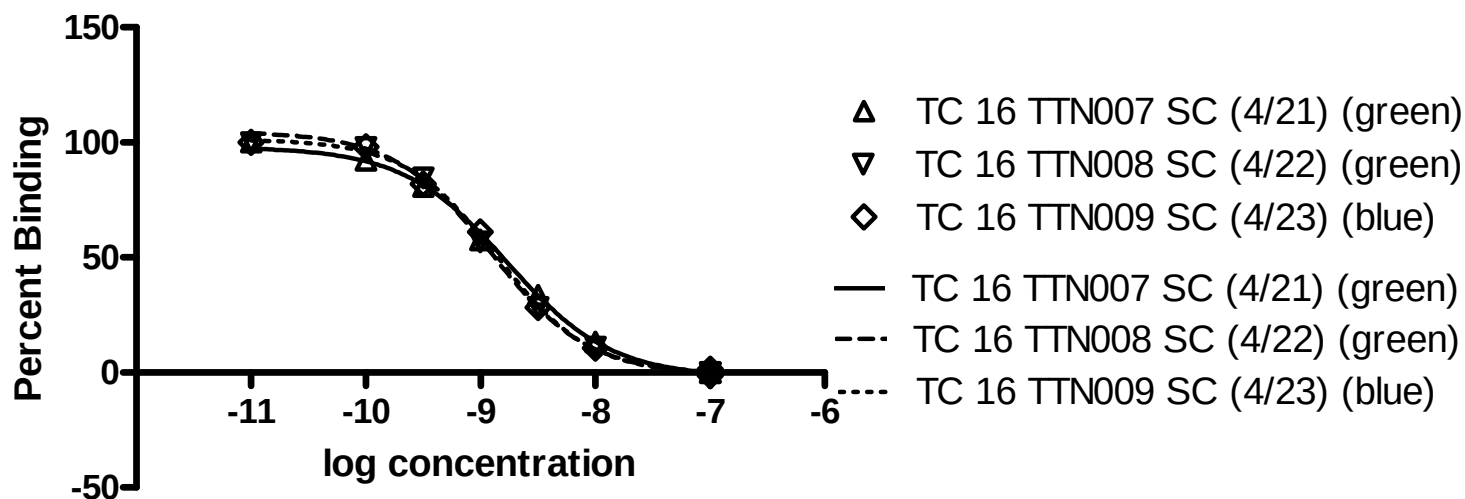


	TC 15 TTN002 NC (3/18) (blue)	TC 15 TTN004 NC (4/7) (red)	TC 15 RN002 NC (4/9) (yellow)
logIC50			Not converged
Best-fit values			
Bottom	32.01	31.97	
Top	104.3	102.8	
LogIC50	-5.772	-4.676	
HillSlope	-1.114	-2.252	
Std. Error			
Bottom	1.503	10.04	
Top	1.398	1.365	
LogIC50	0.06468	0.7653	
HillSlope	0.1545	5.761	
95% Confidence Intervals			
Bottom	28.87 to 35.14	10.57 to 53.36	
Top	101.4 to 107.2	99.88 to 105.7	
LogIC50	-5.907 to -5.637	-6.307 to -3.045	
HillSlope	-1.436 to -0.7914	-14.53 to 10.03	
Goodness of Fit			
Degrees of Freedom	20	15	
R ²	0.9875	0.9779	
Absolute Sum of Squares	315.9	278.3	
Sy.x	3.974	4.308	
Number of points			
Analyzed	24	19	21
Outliers (excluded, Q=1.0%)	0	2	0

	log concentration	TC 15 TTN004 NC (4/7) (red)		
		Y1	Y2	Y3
	-7.000			77.610
	-9.000	85.590		

log concentration	TC 15 TTN002 NC (3/18) (blue)			TC 15 TTN004 NC (4/7) (red)			TC 15 RN002 NC (4/9) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	24.62	33.43	25.32						
-4.00	32.67	35.86	34.69						
-5.00	31.49	38.92	43.35						
-6.00	61.37	55.09	57.08						
-7.00	94.15	99.62	98.55						
-8.00	98.92	106.99	101.48						
-9.00	105.15	105.79	104.97						
-10.00	100.88	104.57	104.53						
-3.00				99.39	79.8	97.06			
-4.00				33.59	32.63	31.85			
-5.00				68.19	81.75	83.49			
-6.00				99.74	104.30	103.76			
-7.00				103.40	94.16	77.61			
-8.00				101.90	103.70	100.22			
-9.00				85.59	102.44	104.42			
-10.00				107.00	107.30	103.22			
-3.00							99.39	79.8	97.06
-4.00							48.87	48.55	54.23
-5.00							80.53	80.37	81.66
-6.00							95.70	91.89	90.23
-7.00							27.01	93.12	97.25
-8.00							96.77	85.68	94.62
-9.00							98.64	98.64	99.71
-10.00							97.84	94.62	91.73

TRL TC 16 Standard Curve



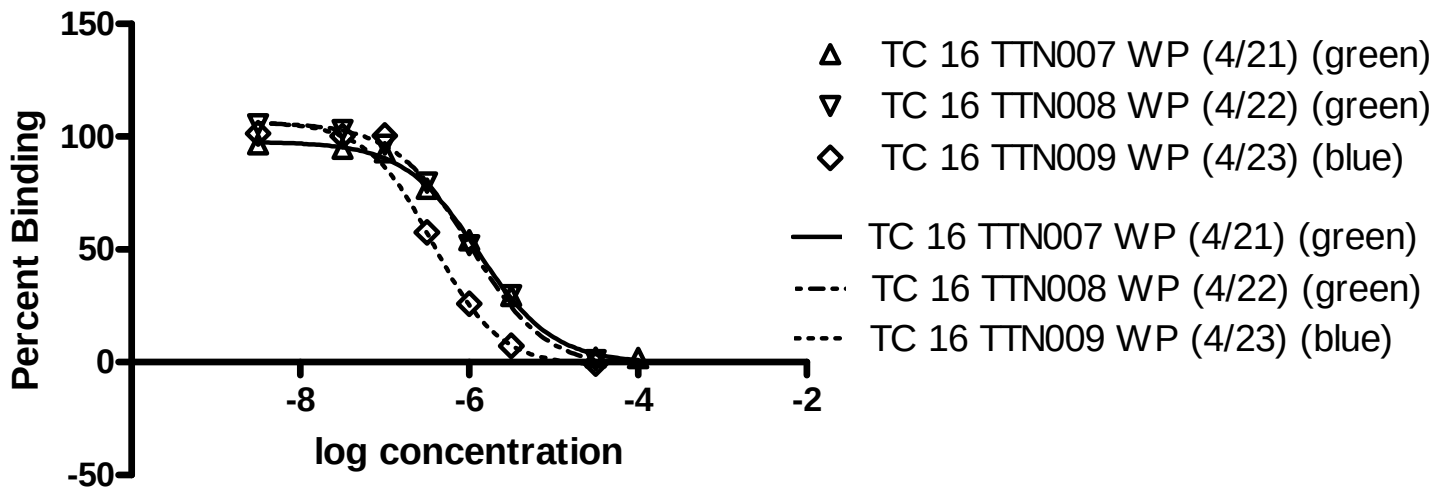
	TC 16 TTN007 SC (4/21) (green)	TC 16 TTN008 SC (4/22) (green)	TC 16 TTN009 SC (4/23) (blue)
logIC50			
Best-fit values			
Bottom	-1.992	-0.7962	-0.9623
Top	97.97	104.6	101.3
LogIC50	-8.806	-8.876	-8.848
HillSlope	-0.9609	-1.034	-1.080
Std. Error			
Bottom	0.7422	0.8682	1.111
Top	0.9282	1.218	1.294
LogIC50	0.01138	0.01252	0.01618
HillSlope	0.03297	0.04164	0.05529
95% Confidence Intervals			
Bottom	-3.552 to -0.4330	-2.613 to 1.021	-3.279 to 1.355
Top	96.02 to 99.92	102.0 to 107.1	98.63 to 104.0
LogIC50	-8.830 to -8.782	-8.903 to -8.850	-8.882 to -8.814
HillSlope	-1.030 to -0.8916	-1.121 to -0.9464	-1.195 to -0.9643
Goodness of Fit			
Degrees of Freedom	18	19	20
R ²	0.9988	0.9981	0.9969
Absolute Sum of Squares	37.36	68.73	121.5
Sy x	1.441	1.902	2.465
Number of points			
Analyzed	22	23	24
Outliers (excluded, Q=1.0%)	2	1	0

log concentration	TC 16 TTN007 SC (4/21) (green)			TC 16 TTN008 SC (4/22) (green)
	Y1	Y2	Y3	Y1
-9.000	50.960			
-11.000			105.870	
-11.000				94.230

log concentration	TC 16 TTN007 SC (4/21) (green)			TC 16 TTN008 SC (4/22) (green)			TC 16 TTN009 SC (4/23) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	0.50	-0.54	0.47						
-7.00	-0.51	0.07	0.01						
-8.00	13.65	12.67	13.42						
-8.50	32.23	35.82	32.46						
-9.00	50.96	61.27	60.55						
-9.50	82.03	78.84	81.46						
-10.00	88.95	93.69	94.24						
-11.00	98.14	95.99	105.87						
-7.00				0.24	0.21	-0.33			
-7.00				-0.38	0.17	0.09			
-8.00				10.15	12.31	10.65			
-8.50				29.11	28.34	27.54			
-9.00				56.87	55.55	57.84			
-9.50				84.20	84.13	85.61			
-10.00				92.29	101.22	100.14			
-11.00				94.23	104.02	101.74			
-7.00							-1.44	0.66	5.21
-7.00							-2.45	-1.08	-0.90
-8.00							9.03	9.69	12.93
-8.50							26.76	29.73	28.09
-9.00							61.87	58.97	62.57
-9.50							82.52	79.33	83.94
-10.00							99.71	97.32	97.14
-11.00							100.86	99.03	100.11

TRL TC 16

Weak Positive

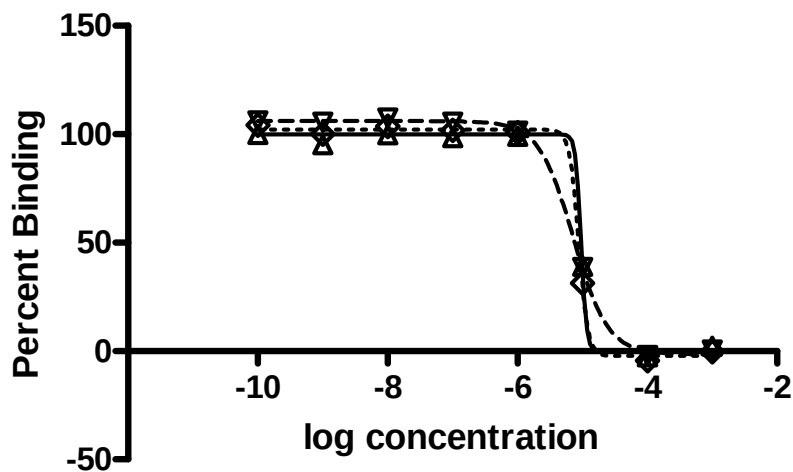


	TC 16 TTN007 WP (4/21) (green)	TC 16 TTN008 WP (4/22) (green)	TC 16 TTN009 WP (4/23) (blue)
logIC50			
Best-fit values			
Bottom	-0.3970	-2.750	-1.554
Top	97.69	106.3	106.5
LogIC50	-5.914	-5.962	-6.389
HillSlope	-0.9852	-0.9699	-1.119
Std. Error			
Bottom	1.529	1.639	0.7973
Top	1.315	1.021	0.8262
LogIC50	0.02094	0.01493	0.009092
HillSlope	0.06666	0.04814	0.03976
95% Confidence Intervals			
Bottom	-3.586 to 2.792	-6.225 to 0.7245	-3.276 to 0.1681
Top	94.94 to 100.4	104.1 to 108.4	104.7 to 108.3
LogIC50	-5.958 to -5.871	-5.993 to -5.930	-6.409 to -6.370
HillSlope	-1.124 to -0.8461	-1.072 to -0.8679	-1.205 to -1.033
Goodness of Fit			
Degrees of Freedom	20	16	13
R ²	0.9953	0.9977	0.9992
Absolute Sum of Squares	161.3	66.89	23.09
Sy.x	2.840	2.045	1.333
Number of points			
Analyzed	24	20	17
Outliers (excluded, Q=1.0%)	0	1	4

	log concentration	TC 16 TTN008 WP (4/22) (green)			TC 16 TTN009 WP (4/23) (blue)		
		Y1	Y2	Y3	Y1	Y2	Y3
	-5.500	39.020					
	-7.000				99.370	103.000	98.720
	-8.500						92.660

log concentration	TC 16 TTN007 WP (4/21) (green)			TC 16 TTN008 WP (4/22) (green)			TC 16 TTN009 WP (4/23) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	0.99	1.27	3.54						
-4.50	2.13	1.88	2.28						
-5.00	29.39	29.79	29.22						
-6.00	56.53	49.15	56.33						
-6.50	78.81	75.66	76.06						
-7.00	91.80	93.20	94.24						
-7.50	89.96	98.03	95.53						
-8.00	98.95	99.06	91.94						
-4.00				39.60	49.60	49.90			
-4.50				0.82	0.62	1.14			
-5.00				39.02	25.65	24.75			
-6.00				50.30	51.85	53.78			
-6.50				75.90	81.36	81.52			
-7.00				93.39	97.96	97.98			
-7.50				100.27	102.68	105.72			
-8.00				103.56	107.51	105.19			
-4.00							37.60	46.71	42.31
-4.50							-0.54	-1.10	-0.31
-5.00							8.43	6.31	6.85
-6.00							23.65	27.80	26.20
-6.50							58.88	55.45	58.18
-7.00							99.37	103.00	98.72
-7.50							100.07	99.23	101.53
-8.50							106.67	105.09	92.66

TRL TC 16 Acceptable

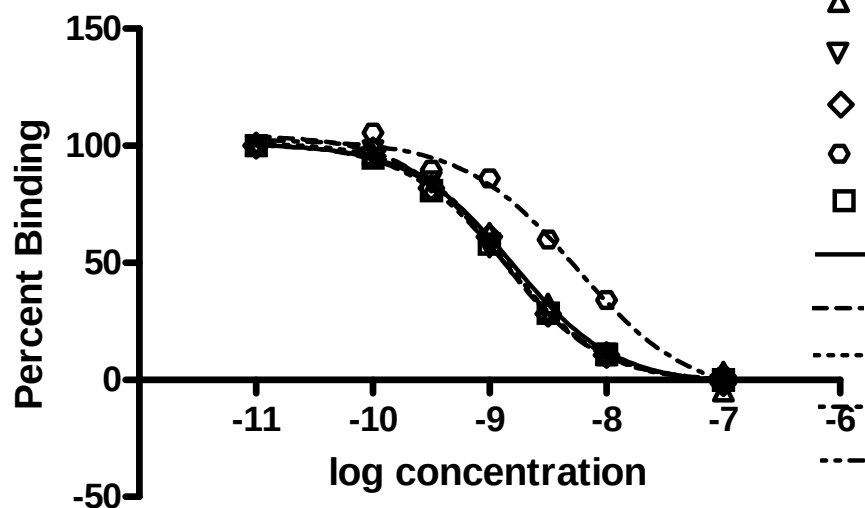


	TC 16 TTN007 (4/21) (green)	TC 16 TTN008 (4/22) (green)	TC 16 TTN009 (4/23) (blue)
logIC50	Ambiguous		Ambiguous
Best-fit values			
Bottom	-0.2100	-1.466	-2.331
Top	99.90	106.0	102.1
LogIC50	~ -5.019	-5.116	~ -5.053
HillSlope	~ -10.35	-1.649	~ -6.150
Std. Error			
Bottom	1.389	1.208	1.372
Top	0.9682	0.7959	0.9527
LogIC50	~ 228423	0.01994	~ 50.53
HillSlope	~ 1.270e+008	0.1974	~ 5843
95% Confidence Intervals			
Bottom	-3.118 to 2.698	-3.985 to 1.053	-5.192 to 0.5304
Top	97.88 to 101.9	104.4 to 107.7	100.1 to 104.1
LogIC50	(Very wide)	-5.158 to -5.075	(Very wide)
HillSlope	(Very wide)	-2.060 to -1.237	(Very wide)
Goodness of Fit			
Degrees of Freedom	19	20	20
R ²	0.9955	0.9971	0.9957
Absolute Sum of Squares	200.2	150.4	219.2
Sy.x	3.246	2.743	3.310
Number of points			
Analyzed	23	24	24
Outliers (excluded, Q=1.0%)	1	0	0

log concentration	TC 16 TTN007 (4/21) (green)		
	Y1	Y2	Y3
-9.000			78.870

log concentration	TC 16 TTN007 (4/21) (green)			TC 16 TTN008 (4/22) (green)			TC 16 TTN009 (4/23) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	2.59	1.50	2.57						
-4.0000	-2.83	-1.74	-3.35						
-5.0000	38.41	39.87	38.90						
-6.0000	95.56	102.25	99.55						
-7.0000	96.30	104.69	94.12						
-8.0000	99.32	98.40	101.59						
-9.0000	103.89	103.03	78.87						
-10.0000	100.30	95.56	104.09						
-3.0000				0.1412	0.1335	0.9700			
-4.0000				-2.0338	-1.7055	-2.3790			
-5.0000				38.4598	39.6899	37.8347			
-6.0000				95.1670	104.1433	104.8888			
-7.0000				102.4305	109.2178	104.8862			
-8.0000				109.5691	108.0771	104.5490			
-9.0000				103.5671	104.9366	108.3400			
-10.0000				103.5487	106.6207	107.9349			
-3.0000							-1.0097	1.7830	-1.4827
-4.0000							-5.0186	-4.0952	-4.1628
-5.0000							29.3270	29.1918	35.0700
-6.0000							95.5182	104.5494	102.4098
-7.0000							99.4370	100.4504	105.5854
-8.0000							101.9369	103.1756	105.7205
-9.0000							99.0090	103.4683	97.6127
-10.0000							99.8649	107.8375	104.9998

TRL TC 17 Standard Curve



- ▲ TC 17 RN003 SC (4/16) (yellow)
- ▼ TC 17 TTN008 SC (4/22) (green)
- ◆ TC 17 TTN009 SC (4/23) (blue)
- TC 17 TTN010 SC (4/28)(yellow)
- TC 17 TTN013 SC (5/5)(yellow)
- TC 17 RN003 SC (4/16) (yellow)
- TC 17 TTN008 SC (4/22) (green)
- TC 17 TTN009 SC (4/23) (blue)
- .-.- TC 17 TTN010 SC (4/28)(yellow)
- TC 17 TTN013 SC (5/5)(yellow)

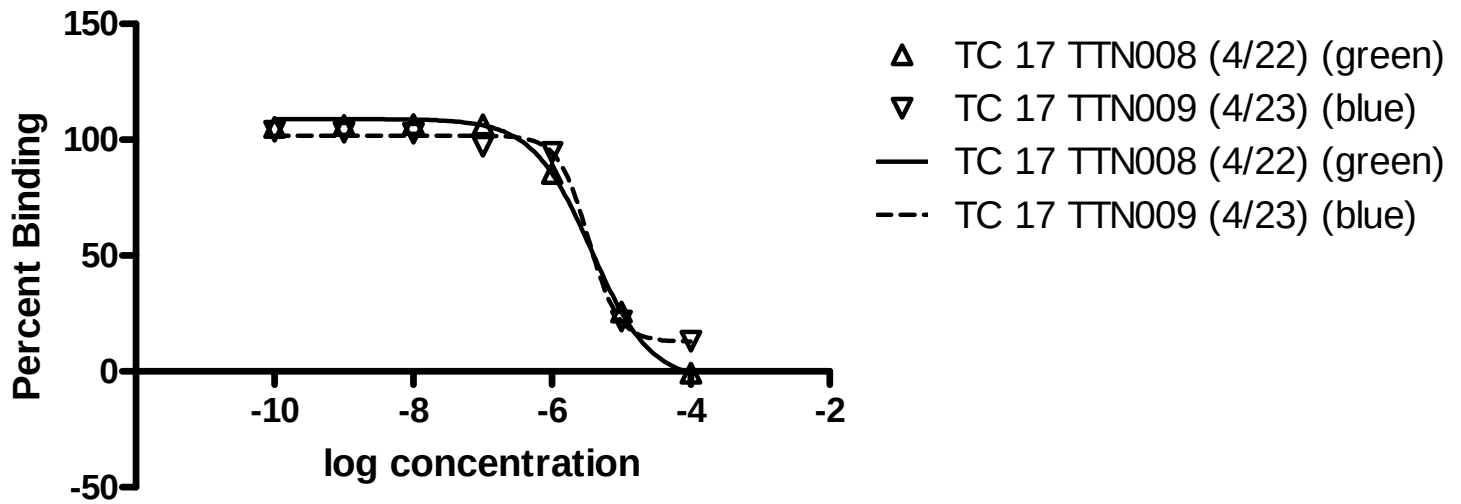
	TC 17 RN003 SC (4/16) (yellow)	TC 17 TTN008 SC (4/22) (green)	TC 17 TTN009 SC (4/23) (blue)	TC 17 TTN010 SC (4/28)(yellow)	TC 17 TTN013 SC (5/5)(yellow)
logIC50					
Best-fit values					
Bottom	-1.967	-0.7962	-0.9623	-7.585	-1.254
Top	100.9	104.6	101.3	102.7	101.0
LogIC50	-8.811	-8.876	-8.848	-8.296	-8.873
HillSlope	-0.9935	-1.034	-1.080	-0.8995	-1.009
Std. Error					
Bottom	5.144	0.8682	1.111	5.662	0.5959
Top	5.356	1.218	1.294	2.977	0.7067
LogIC50	0.06751	0.01252	0.01618	0.04535	0.008690
HillSlope	0.2152	0.04164	0.05529	0.1450	0.02709
95% Confidence Intervals					
Bottom	-12.77 to 8.841	-2.613 to 1.021	-3.279 to 1.355	-19.44 to 4.267	-2.497 to -0.01074
Top	89.63 to 112.1	102.0 to 107.1	98.63 to 104.0	96.48 to 108.9	99.50 to 102.4
LogIC50	-8.953 to -8.669	-8.903 to -8.850	-8.882 to -8.814	-8.391 to -8.201	-8.891 to -8.855
HillSlope	-1.446 to -0.5413	-1.121 to -0.9464	-1.195 to -0.9643	-1.203 to -0.5960	-1.066 to -0.9528
Goodness of Fit					
Degrees of Freedom	18	19	20	19	20
R ²	0.9519	0.9981	0.9969	0.9804	0.9991
Absolute Sum of Squares	1700	68.73	121.5	708.6	32.35
Sy.x	9.719	1.902	2.465	6.107	1.272
Number of points					
Analyzed	22	23	24	23	24
Outliers (excluded, Q=1.0%)	0	1	0	0	0

	log concentration	TTN008 SC (4/22)
		Y1
	-11.000	94.230

log concentration	TC 17 RN003 SC (4/16) (yellow)			TC 17 TTN008 SC (4/22) (green)			TC 17 TTN009 SC (4/23) (blue)			TC 17 TTN010 SC (4/28)(yellow)			TC 17 TTN013 SC (5/5)(yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	4.73	1.57	3.28												
-7.00	-5.24		-4.34												
-8.00	10.64	10.94													
-8.50	50.67	15.95	30.47												
-9.00	61.05	60.06	66.51												
-9.50	87.91	87.91	66.82												
-10.00	98.53	85.52	104.87												
-11.00	82.91	105.85	111.24												
-7.00				0.24	0.21	-0.33									
-7.00				-0.38	0.17	0.09									
-8.00				10.15	12.31	10.65									
-8.50				29.11	28.34	27.54									
-9.00				56.87	55.55	57.84									
-9.50				84.20	84.13	85.61									
-10.00				92.29	101.22	100.14									
-11.00				94.23	104.02	101.74									
-7.00							-1.44	0.66	5.21						
-7.00							-2.45	1.08	4.50						
-8.00							9.03	9.69	12.93						
-8.50							26.76	29.73	28.09						
-9.00							61.87	58.97	62.57						
-9.50							82.52	79.33	83.94						
-10.00							99.71	97.32	97.14						
-11.00							100.86	99.03	100.11						
-7.00										0.15	0.89	2.48			
-7.00											-2.80	-0.70			
-8.00										29.17	38.64	34.21			
-8.50										55.98	60.53	63.35			
-9.00										77.87	91.02	89.55			
-9.50										90.29	97.17	81.55			
-10.00										114.39	101.60	100.74			
-11.00										94.59	101.35	104.06			
-7.00													0.20	-0.34	-0.13
-7.00													0.00	0.00	0.30
-8.00													10.20	11.92	10.87
-8.50													28.57	28.51	28.84
-9.00													55.76	60.17	58.34
-9.50													78.98	82.36	81.53
-10.00													94.89	95.76	93.64
-11.00													99.33	98.61	102.06

TRL TC 17
Weak Positive

TRL TC 17 Acceptable

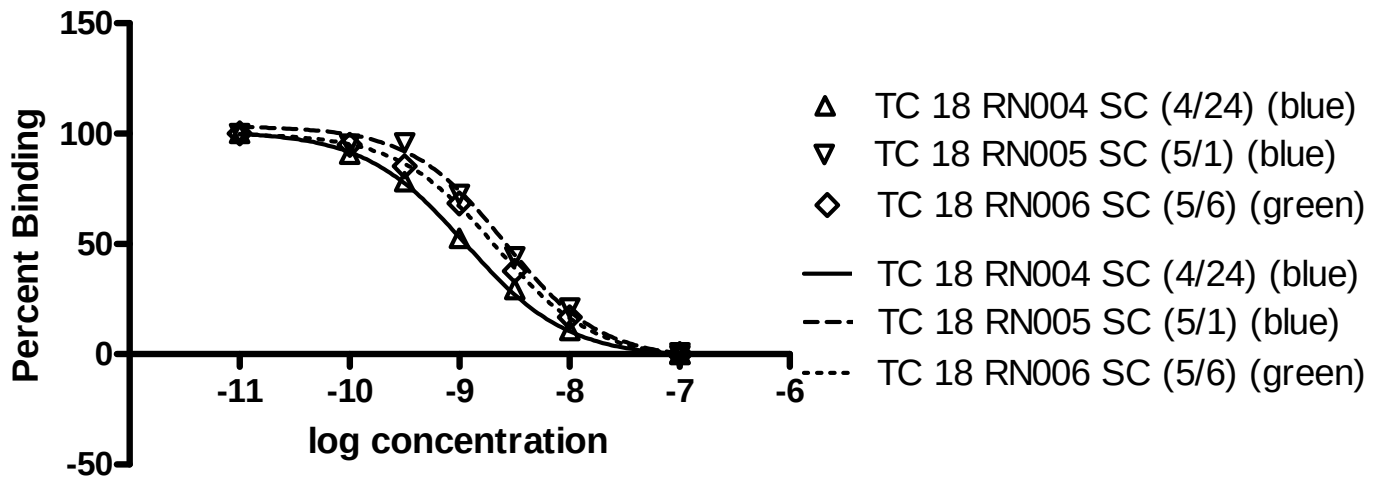


	TC 17 TTN008 (4/22) (green)	TC 17 TTN009 (4/23) (blue)
logIC50		
Best-fit values		
Bottom	-4.390	12.87
Top	108.9	101.7
LogIC50	-5.398	-5.404
HillSlope	-1.026	-2.001
Std. Error		
Bottom	1.063	2.523
Top	0.4860	1.240
LogIC50	0.01197	0.05818
HillSlope	0.02951	0.2483
95% Confidence Intervals		
Bottom	-6.670 to -2.110	7.548 to 18.19
Top	107.9 to 110.0	99.11 to 104.3
LogIC50	-5.424 to -5.372	-5.526 to -5.281
HillSlope	-1.089 to -0.9626	-2.525 to -1.478
Goodness of Fit		
Degrees of Freedom	14	17
R ²	0.9993	0.9897
Absolute Sum of Squares	24.52	310.2
Sy x	1.323	4.271
Number of points		
Analyzed	18	21
Outliers (excluded, Q=1.0%)	3	0

	log concentration	TTN008 (4/22) (green)
		Y1
	-8.000	101.303
	-9.000	99.516
	-10.000	100.224

log concentration	TC 17 TTN008 (4/22) (green)			TC 17 TTN009 (4/23) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	100.2239	106.4437	109.1762			
-4.0000	101.3031	108.9649	109.5389			
-5.0000	25.5723	26.7213	24.7000			
-6.0000	83.7835	86.6086	85.7505			
-7.0000	106.7729	105.0134	107.3270			
-8.0000	101.3031	108.9649	109.5389			
-9.0000	99.5164	111.2664	107.3149			
-10.0000	100.2239	106.4437	109.1762			
-3.0000				100.2239	106.4437	
-4.0000				11.4448	13.6068	13.9672
-5.0000				16.4221	23.6515	25.2055
-6.0000				88.7842	93.9417	100.9459
-7.0000				96.2614	92.0048	102.9278
-8.0000				102.1846	103.1981	103.0855
-9.0000				100.0450	106.2385	103.4008
-10.0000				100.1577	103.6035	107.0268

TRL TC 18 Standard Curve

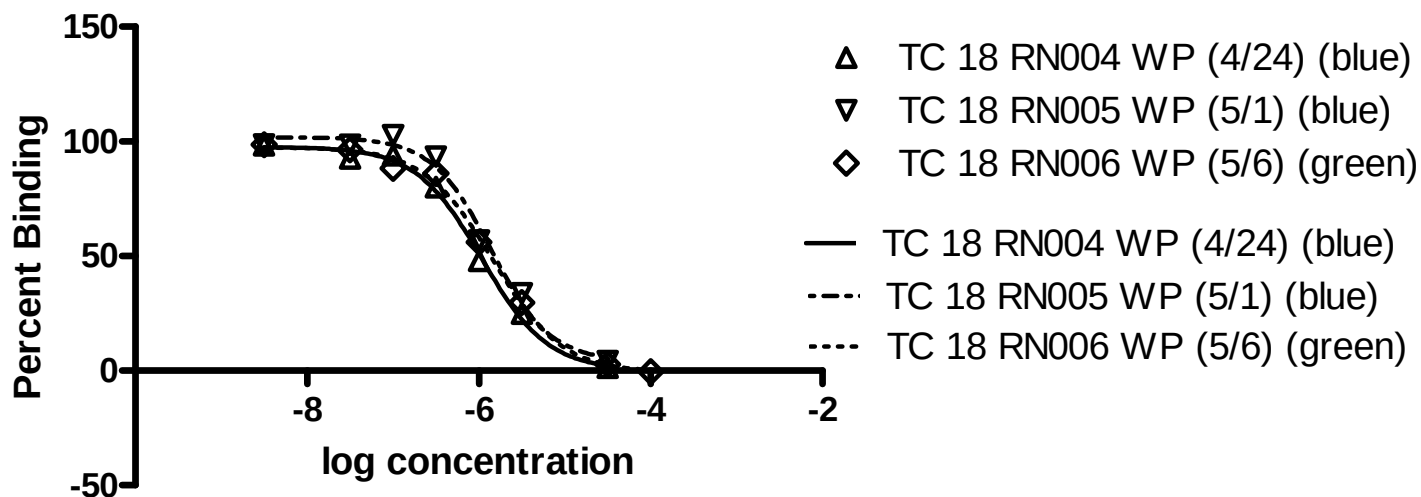


	TC 18 RN004 SC (4/24) (blue)	TC 18 RN005 SC (5/1) (blue)	TC 18 RN006 SC (5/6) (green)
logIC50			
Best-fit values			
Bottom	-1.391	-2.306	-2.348
Top	101.0	103.4	100.1
LogIC50	-8.945	-8.577	-8.690
HillSlope	-0.9396	-1.005	-0.9725
Std. Error			
Bottom	0.7913	1.551	1.040
Top	0.9270	1.684	1.014
LogIC50	0.01124	0.01989	0.01465
HillSlope	0.03226	0.06716	0.04213
95% Confidence Intervals			
Bottom	-3.061 to 0.2783	-5.579 to 0.9671	-4.525 to -0.1702
Top	99.08 to 103.0	99.81 to 106.9	98.00 to 102.2
LogIC50	-8.969 to -8.921	-8.619 to -8.535	-8.721 to -8.659
HillSlope	-1.008 to -0.8715	-1.146 to -0.8631	-1.061 to -0.8844
Goodness of Fit			
Degrees of Freedom	17	17	19
R²	0.9988	0.9961	0.9981
Absolute Sum of Squares	38.28	135.1	70.75
Sy.x	1.501	2.819	1.930
Number of points			
Analyzed	21	21	23
Outliers (excluded, Q=1.0%)	1	1	0

log concentration	TC 18 RN004 SC (4/24) (blue)		TC 18 RN005 SC (5/1) (blue)
	Y1	Y2	Y3
-8.500		34.560	
-11.000			92.990

log concentration	TC 18 RN004 SC (4/24) (blue)			TC 18 RN005 SC (5/1) (blue)			TC 18 RN006 SC (5/6) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00		0.59	-0.23						
-7.00	0.12	-0.25	-0.22						
-8.00	12.10	10.84	9.48						
-8.50	26.97	34.56	26.77						
-9.00	52.06	55.14	50.68						
-9.50	77.93	79.59	77.13						
-10.00	91.79	89.70							
-11.00	96.93	101.60	101.48						
-7.00				0.70	0.23	0.75			
-7.00				-1.19	-0.03	-0.46			
-8.00				22.49	20.51	19.82			
-8.50				44.20	44.16	43.99			
-9.00				71.89		73.01			
-9.50				92.99	98.64	95.49			
-10.00				92.91		97.73			
-11.00				92.99	105.18	101.82			
-7.00							0.19	0.05	0.17
-7.00							-0.58	-0.06	0.23
-8.00							15.38	17.16	17.68
-8.50							35.84		39.57
-9.00							65.59	69.07	70.38
-9.50							84.28	84.88	86.79
-10.00							94.48	95.62	94.79
-11.00							96.33	104.02	99.65

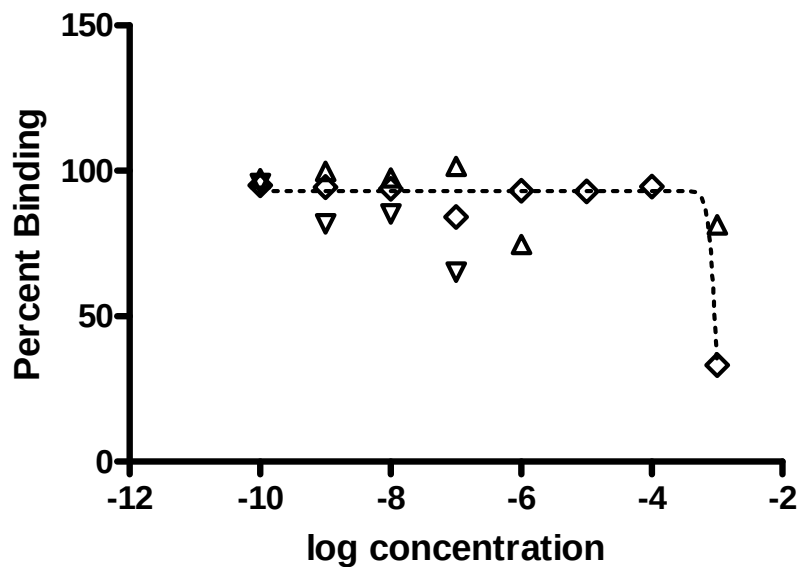
TRL TC 18 Weak Positive



	TC 18 RN004 WP (4/24) (blue)	TC 18 RN005 WP (5/1) (blue)	TC 18 RN006 WP (5/6) (green)
logIC50			
Best-fit values			
Bottom	0.1827	3.968	-0.8722
Top	97.64	101.9	97.47
LogIC50	-5.983	-5.818	-5.862
HillSlope	-1.138	-1.267	-1.086
Std. Error			
Bottom	2.049	4.105	1.790
Top	1.267	2.333	1.413
LogIC50	0.01977	0.03886	0.02196
HillSlope	0.07999	0.1818	0.08227
95% Confidence Intervals			
Bottom	-4.141 to 4.507	-4.693 to 12.63	-4.633 to 2.888
Top	94.96 to 100.3	96.98 to 106.8	94.50 to 100.4
LogIC50	-6.025 to -5.942	-5.900 to -5.736	-5.908 to -5.816
HillSlope	-1.307 to -0.9694	-1.650 to -0.8829	-1.259 to -0.9129
Goodness of Fit			
Degrees of Freedom	17	17	18
R ²	0.9946	0.9781	0.9943
Absolute Sum of Squares	144.3	603.7	178.6
Sy.x	2.914	5.959	3.150
Number of points			
Analyzed	21	21	22
Outliers (excluded, Q=1.0%)	0	0	0

log concentration	TC 18 RN004 WP (4/24) (blue)			TC 18 RN005 WP (5/1) (blue)			TC 18 RN006 WP (5/6) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	93.66	93.66	93.66						
-4.50	1.84	0.96	1.20						
-5.50	24.21	25.50	24.92						
-6.00	50.20	46.93	46.66						
-6.50	82.08	78.60	79.61						
-7.00	93.31	94.50	93.93						
-7.50	89.48	94.17	94.07						
-8.50	98.35	99.17	97.25						
-4.00				119.99	119.99	119.99			
-4.50				4.19	4.06	4.41			
-5.50				34.86	31.75	34.77			
-6.00				55.87	56.09	58.11			
-6.50				86.79	103.50	90.11			
-7.00				98.08	104.88	105.53			
-7.50				94.54	98.46	102.51			
-8.50				95.36	98.81	102.25			
-4.00								-0.15	-0.65
-4.50							1.15	4.78	2.24
-5.50							27.34	32.33	29.38
-6.00							55.09	57.29	55.76
-6.50							84.22	85.75	88.13
-7.00							88.92	90.32	85.49
-7.50								98.10	94.80
-8.50							97.55	99.65	98.41

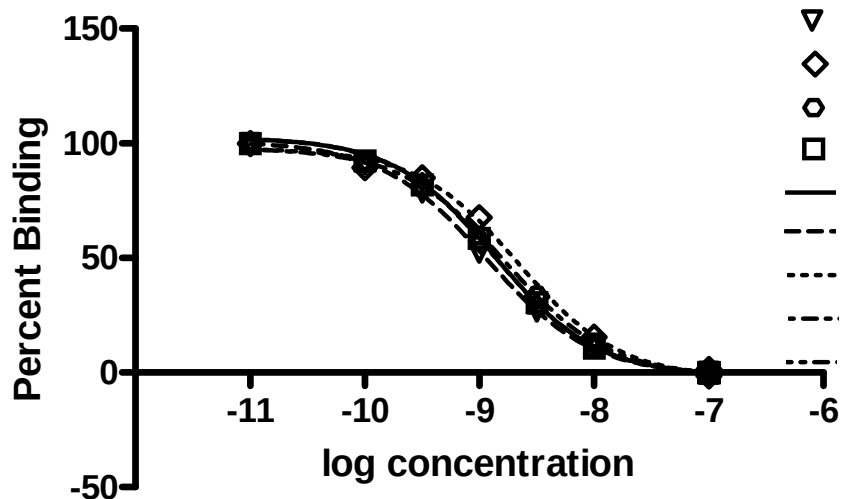
TRL TC 18 Acceptable



	TC 18 RN004 (4/24) (blue)	TC 18 RN005 (5/1) (blue)	TC 18 RN006 (5/6) (green)
logIC50	Not converged	Not converged	Ambiguous
Best-fit values			
Bottom			~ -23.73
Top			93.02
LogIC50			~ -3.035
HillSlope			~ -7.289
Std. Error			
Bottom			~ 2.080e+013
Top			1.346
LogIC50			~ 4.567e+009
HillSlope			~ 8.129e+010
95% Confidence Intervals			
Bottom			(Very wide)
Top			90.20 to 95.84
LogIC50			(Very wide)
HillSlope			(Very wide)
Goodness of Fit			
Degrees of Freedom			19
R ²			0.9589
Absolute Sum of Squares			399.8
Sy.x			4.587
Number of points			
Analyzed	15	10	23
Outliers (excluded, Q=1.0%)	0	0	0

log concentration	TC 18 RN004 (4/24) (blue)			TC 18 RN005 (5/1) (blue)			TC 18 RN006 (5/6) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	78.17	98.66	84.62						
-4.0000	95.69	99.99	99.19						
-5.0000	100.29	99.99	99.61						
-6.0000		75.95	73.52						
-7.0000	102.46		100.78						
-8.0000	95.97	99.02	97.60						
-9.0000	98.92	105.53	95.04						
-10.0000	98.61	100.35	92.92						
-3.0000				99.7600	99.9900	99.6900			
-4.0000				99.4400	99.6900	99.0700			
-5.0000				99.9300	99.9900	99.6900			
-6.0000				99.2900	104.8900	99.1800			
-7.0000				99.9900	99.9900	65.1300			
-8.0000				91.5300	78.3500	85.7200			
-9.0000				61.7300	88.6400	94.9300			
-10.0000				98.6400	99.7600	88.7700			
-3.0000							35.7300	32.9700	30.9300
-4.0000							90.1100	95.9200	97.8200
-5.0000							88.1500	93.9500	96.6400
-6.0000							89.9200	96.6000	92.9300
-7.0000							88.3600	80.0700	
-8.0000							90.9700	96.4000	94.0500
-9.0000							89.8500	95.0100	98.5500
-10.0000							90.9500	96.9600	97.2200

TRL TC 19 Standard Curve



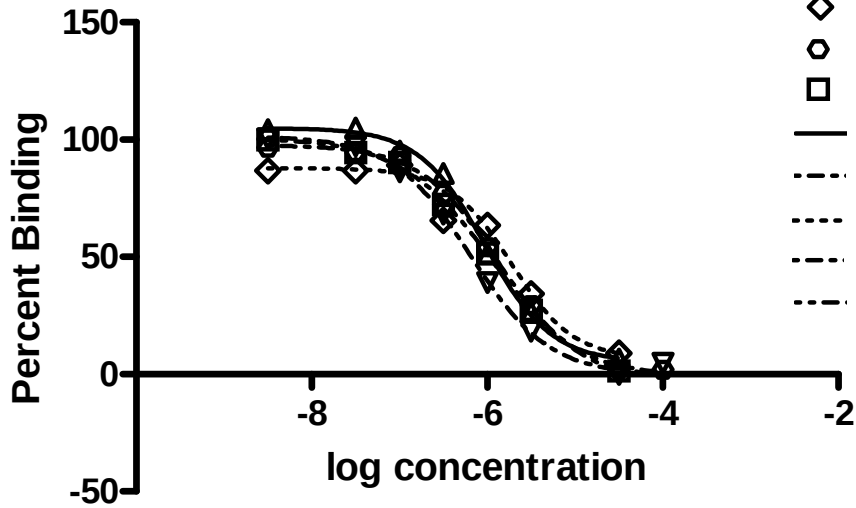
- ▲ TC 19 TTN001 SC (3/12) (blue)
- ▼ TC 19 TTN005 SC (4/14)(yellow)
- ◇ TC 19 RN002 SC (4/9) (yellow)
- TC 19 TTN007 SC (4/21) (green)
- TC 19 TTN017 SC (5/14)(yellow)
- TC 19 TTN001 SC (3/12) (blue)
- TC 19 TTN005 SC (4/14)(yellow)
- TC 19 RN002 SC (4/9) (yellow)
- .-.- TC 19 TTN007 SC (4/21) (green)
- .-.- TC 19 TTN017 SC (5/14)(yellow)

	TC 19 TTN001 SC (3/12) (blue)	TC 19 TTN005 SC (4/14)(yellow)	TC 19 RN002 SC (4/9) (yellow)	TC 19 TTN007 SC (4/21) (green)	TC 19 TTN017 SC (5/14)(yellow)
logIC50					
Best-fit values					
Bottom	-1.395	-1.357	-2.493	-1.992	-1.642
Top	102.5	100.9	97.75	97.97	102.5
LogIC50	-8.854	-8.946	-8.702	-8.806	-8.857
HillSlope	-0.9872	-0.9462	-0.9834	-0.9609	-0.9797
Std. Error					
Bottom	0.3892	0.5534	1.996	0.7422	0.4059
Top	0.5671	0.6972	1.930	0.9282	0.5667
LogIC50	0.005539	0.008208	0.02866	0.01138	0.005762
HillSlope	0.01746	0.02346	0.08370	0.03297	0.01798
95% Confidence Intervals					
Bottom	-2.216 to -0.5741	-2.512 to -0.2029	-6.670 to 1.684	-3.552 to -0.4330	-2.495 to -0.7896
Top	101.3 to 103.7	99.49 to 102.4	93.71 to 101.8	96.02 to 99.92	101.3 to 103.7
LogIC50	-8.866 to -8.842	-8.963 to -8.928	-8.762 to -8.642	-8.830 to -8.782	-8.869 to -8.845
HillSlope	-1.024 to -0.9503	-0.9951 to -0.8972	-1.159 to -0.8082	-1.030 to -0.8916	-1.018 to -0.9420
Goodness of Fit					
Degrees of Freedom	17	20	19	18	18
R ²	0.9996	0.9992	0.9927	0.9988	0.9996
Absolute Sum of Squares	11.08	26.76	263.1	37.36	12.64
Sy.x	0.8074	1.157	3.721	1.441	0.8379
Number of points					
Analyzed	21	24	23	22	22
Outliers (excluded, Q=1.0%)	3	0	1	2	2

log concentration	TC 19 TTN001 SC (3/12) (blue)			TC 19 TTN005 SC (4/14)(yellow)			TC 19 RN002 SC (4/9) (yellow)			TC 19 TTN007 SC (4/21) (green)			TC 19 TTN017 SC (5/14)(yellow)	
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2
-10.000	88.220	91.310												
-11.000			97.580											
-8.500							23.690							
-9.000										50.960				
-11.000												105.870		
-10.000													85.920	
-11.000														96.990

log concentration	TC 19 TTN001 SC (3/12) (blue)			TC 19 TTN005 SC (4/14)(yellow)			TC 19 RN002 SC (4/9) (yellow)			TC 19 TTN007 SC (4/21) (green)			TC 19 TTN017 SC (5/14)(yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	-0.40	-0.65	-0.19												
-7.00	0.19	0.52	0.52												
-8.00	12.14	11.80	11.12												
-8.50	30.83	29.70	30.08												
-9.00	58.86	57.53	58.78												
-9.50	81.29	84.18	82.50												
-10.00	88.22	91.31	96.69												
-11.00	100.82	101.61	97.58												
-7.00				0.96	-0.68	0.55									
-7.00				-0.40	-0.80	0.30									
-8.00				11.56	9.96	10.74									
-8.50				26.11	27.82	26.55									
-9.00				51.66	52.63	53.08									
-9.50				79.27	76.29	80.16									
-10.00				92.62	89.57	90.50									
-11.00				100.10	100.40	99.50									
-7.00							1.19	0.81	2.04						
-7.00							-3.15	0.54	-1.44						
-8.00							15.12	15.12	15.87						
-8.50							23.69	39.82	35.69						
-9.00							60.50	72.77	68.71						
-9.50							85.03	86.27	83.32						
-10.00							82.84	91.20	94.04						
-11.00							101.48	100.30	98.21						
-7.00										0.50	-0.54	0.47			
-7.00										-0.51	0.07	0.01			
-8.00										13.65	12.67	13.42			
-8.50										32.23	35.82	32.46			
-9.00										50.96	61.27	60.55			
-9.50										82.03	78.84	81.46			
-10.00										88.95	93.69	94.24			
-11.00										98.14	95.99	105.87			
-7.00													-0.04	0.40	-0.02
-7.00													-0.30	0.10	-0.10
-8.00													11.40	10.53	10.53
-8.50													29.49	30.33	31.70
-9.00													56.97	59.33	59.31
-9.50													82.55	80.65	82.49
-10.00													85.92	95.68	95.82
-11.00													101.53	96.99	101.47

TRL TC 19 Weak Positive



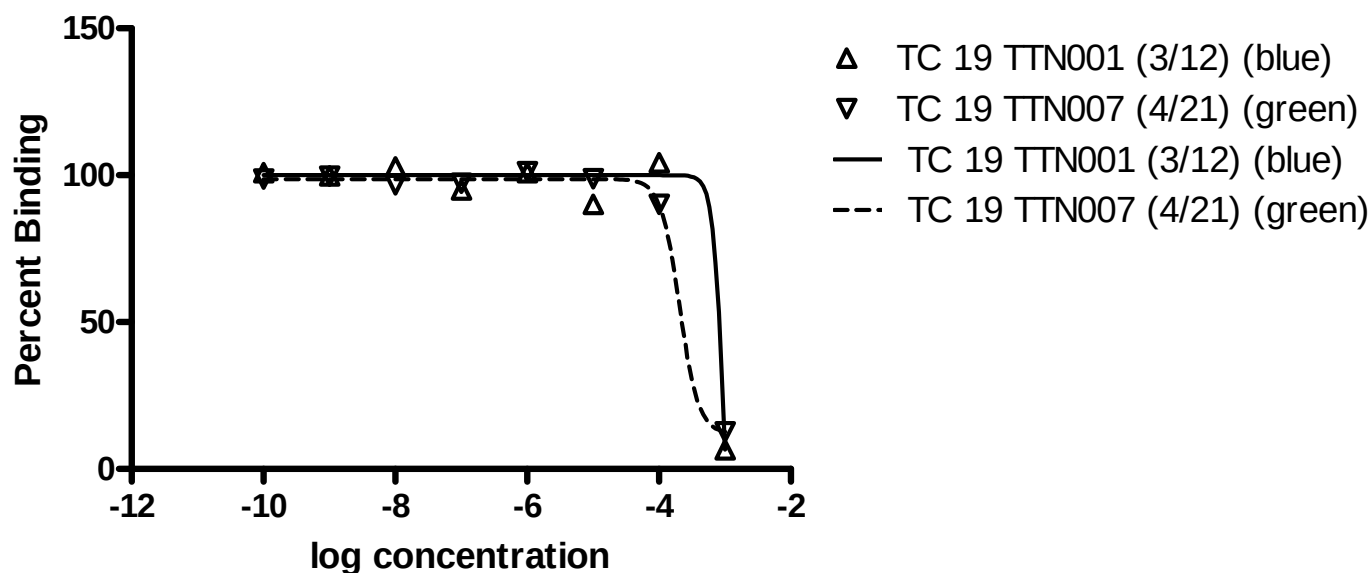
- ▲ TC 19 TTN001 WP (3/12) (blue)
- ▼ TC 19 TTN005 WP (4/14)(yellow)
- ◆ TC 19 RN002 WP (4/9) (yellow)
- TC 19 TTN007 WP (4/21) (green)
- TC 19 TTN017 WP (5/14)(yellow)
- TC 19 TTN001 WP (3/12) (blue)
- - - TC 19 TTN005 WP (4/14)(yellow)
- · · TC 19 RN002 WP (4/9) (yellow)
- · - TC 19 TTN007 WP (4/21) (green)
- · - TC 19 TTN017 WP (5/14)(yellow)

	TC 19 TTN001 WP (3/12) (blue)	TC 19 TTN005 WP (4/14)(yellow)	TC 19 RN002 WP (4/9) (yellow)	TC 19 TTN007 WP (4/21) (green)	TC 19 TTN017 WP (5/14)(yellow)
logIC50					
Best-fit values					
Bottom	5.133	-0.4308	6.463	-0.3970	-5.214
Top	105.0	101.5	87.83	97.69	100.7
LogIC50	-5.949	-6.180	-5.775	-5.914	-5.975
HillSlope	-1.153	-0.9731	-1.233	-0.9852	-0.8206
Std. Error					
Bottom	1.885	1.512	4.892	1.529	2.749
Top	1.228	1.335	2.443	1.315	1.515
LogIC50	0.01884	0.01782	0.05105	0.02094	0.02115
HillSlope	0.07421	0.05419	0.2583	0.06666	0.05889
95% Confidence Intervals					
Bottom	1.157 to 9.110	-3.607 to 2.745	-3.907 to 16.83	-3.586 to 2.792	-11.02 to 0.5863
Top	102.4 to 107.6	98.68 to 104.3	82.65 to 93.01	94.94 to 100.4	97.55 to 103.9
LogIC50	-5.988 to -5.909	-6.217 to -6.142	-5.883 to -5.666	-5.958 to -5.871	-6.019 to -5.930
HillSlope	-1.310 to -0.9969	-1.087 to -0.8593	-1.780 to -0.6851	-1.124 to -0.8461	-0.9449 to -0.6964
Goodness of Fit					
Degrees of Freedom	17	18	16	20	17
R ²	0.9954	0.9963	0.9628	0.9953	0.9951
Absolute Sum of Squares	132.0	115.1	653.9	161.3	123.3
Sy.x	2.787	2.528	6.393	2.840	2.693
Number of points					
Analyzed	21	22	20	24	21
Outliers (excluded, Q=1.0%)	0	0	1	0	0

	log concentration	TC 19 RN002 WP (4/9) (yellow)		
		Y1	Y2	Y3
	-6.500			45.600

log concentration	TC 19 TTN001 WP (3/12) (blue)			TC 19 TTN005 WP (4/14)(yellow)			TC 19 RN002 WP (4/9) (yellow)			TC 19 TTN007 WP (4/21) (green)			TC 19 TTN017 WP (5/14)(yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	26.63	26.63	26.63												
-4.50	5.35	7.05	6.73												
-5.00	26.63	26.97	25.49												
-5.50	51.71	50.71	51.32												
-6.00	87.50	86.47	83.03												
-6.50	97.73	95.67	91.87												
-7.00	104.75	107.15	102.94												
-7.50	106.93	103.50	102.43												
-8.00				65.50	65.50	4.50									
-4.00				0.22	0.03	-0.38									
-4.50				17.52	18.82	19.04									
-5.00				38.79	38.98	39.57									
-5.50				64.16	70.71	69.89									
-6.00				89.24	82.80	86.74									
-6.50				95.90	96.23	100.32									
-7.00				97.46	101.81	102.00									
-7.50							200.00	21.66	20.26						
-8.00							9.81	9.28	7.88						
-4.00							33.07	34.62	34.83						
-4.50							66.18	57.92	66.18						
-5.00							78.44	72.82	45.60						
-5.50							83.86	92.91	90.50						
-6.00							79.68	93.50	87.23						
-6.50							95.54	93.77	71.05						
-7.00										0.99	1.27	3.54			
-7.50										2.13	1.88	2.28			
-8.00										29.39	29.79	29.22			
-4.00										56.53	49.15	56.33			
-4.50										78.81	75.66	76.06			
-5.00										91.80	93.20	94.24			
-5.50										89.96	98.03	95.53			
-6.00										98.95	99.06	91.94			
-6.50													1.21	1.67	1.35
-7.00													26.30	28.42	27.25
-7.50													52.42	51.79	51.15
-8.00													67.26	71.33	78.47
-4.00													90.29	90.47	90.19
-4.50													92.81	97.19	93.64
-5.00													96.73	103.48	99.73

TRL TC 19 Acceptable

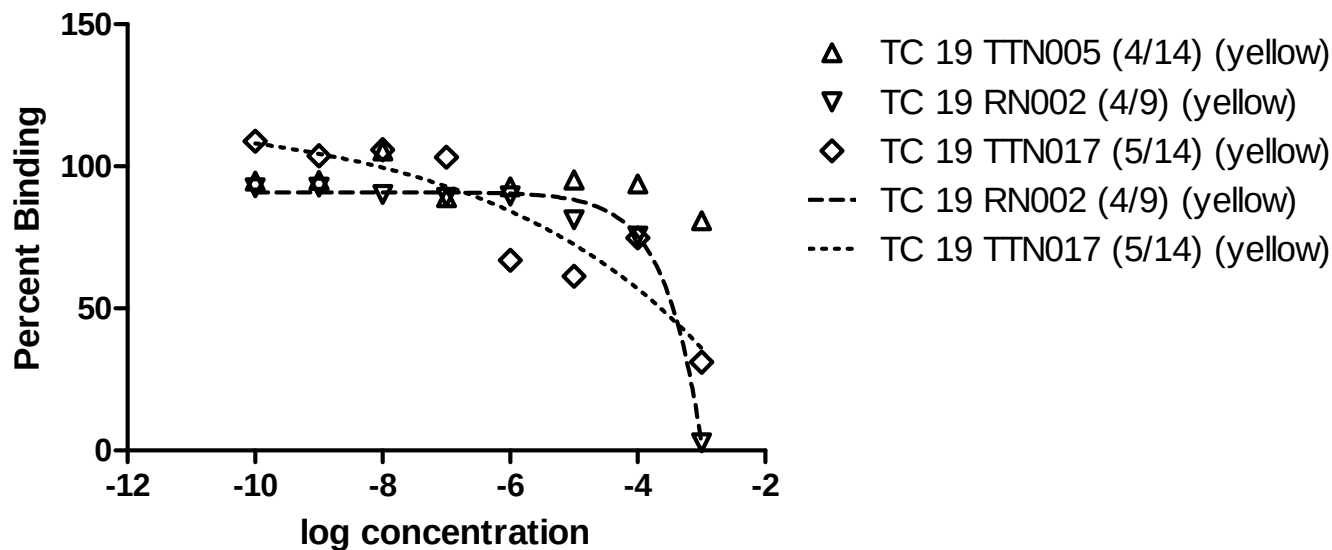


	TC 19 TTN001 (3/12) (blue)	TC 19 TTN007 (4/21) (green)
logIC50	Ambiguous	Ambiguous
Best-fit values		
Bottom	~ -79.75	12.03
Top	100.0	98.73
LogIC50	~ -3.086	~ -3.651
HillSlope	~ -5.219	~ -3.056
Std. Error		
Bottom	~ 1.280e+015	139.7
Top	0.9579	0.6920
LogIC50	~ 3.855e+011	~ 9.738
HillSlope	~ 1.654e+012	~ 87.69
95% Confidence Intervals		
Bottom	(Very wide)	-279.5 to 303.5
Top	97.97 to 102.0	97.28 to 100.2
LogIC50	(Very wide)	(Very wide)
HillSlope	(Very wide)	(Very wide)
Goodness of Fit		
Degrees of Freedom	16	20
R ²	0.9912	0.9925
Absolute Sum of Squares	197.0	143.6
Sy x	3.509	2.679
Number of points		
Analyzed	20	24
Outliers (excluded, Q=1.0%)	4	0

	log concentration	TC 19 TTN001 (3/12) (blue)		
		Y1	Y2	Y3
	-4.000	79.580	75.190	158.010
	-5.000		69.020	

log concentration	TC 19 TTN001 (3/12) (blue)			TC 19 TTN007 (4/21) (green)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	6.85	9.51	3.40			
-4.0000	79.58	75.19	158.01			
-5.0000	99.21	69.02	101.80			
-6.0000	99.91	102.56	100.52			
-7.0000	93.76	95.72	95.70			
-8.0000	102.84	104.24	101.51			
-9.0000	103.35	101.18	95.03			
-10.0000	100.64	104.47	97.59			
-3.0000				16.4700	10.0900	11.5800
-4.0000				88.9800	92.0500	89.3300
-5.0000				98.3400	98.6000	99.3800
-6.0000				99.5200	102.5400	101.4500
-7.0000				94.9800	100.0700	96.8800
-8.0000				101.3900	91.5400	97.3400
-9.0000				99.2300	99.0000	100.9300
-10.0000				97.2200	100.8100	97.8600

TRL TC 19 Unacceptable

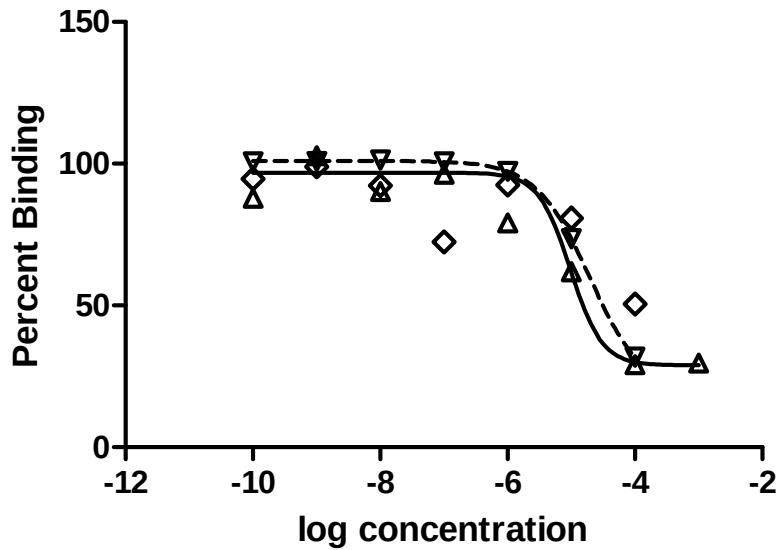


	TC 19 TTN005 (4/14) (yellow)	TC 19 RN002 (4/9) (yellow)	TC 19 TTN017 (5/14) (yellow)
logIC50	Not converged	Ambiguous	
Best-fit values			
Bottom		~ -1.408e+012	-5.870e+012
Top		90.87	118.9
LogIC50		-3.441	-3.637
HillSlope		-0.7564	-0.1260
Std. Error			
Bottom		~	4.812e+012
Top		0.9747	26.58
LogIC50		0.03791	0.3802
HillSlope		0.06902	0.1195
95% Confidence Intervals			
Bottom		(Very wide)	-1.591e+013 to 4.167e+012
Top		88.81 to 92.94	63.46 to 174.4
LogIC50		-3.522 to -3.361	-4.430 to -2.844
HillSlope		-0.9028 to -0.6101	-0.3753 to 0.1232
Goodness of Fit			
Degrees of Freedom		16	20
R ²		0.9903	0.7267
Absolute Sum of Squares		188.8	5177
Sy x		3.435	16.09
Number of points			
Analyzed	24	20	24
Outliers (excluded, Q=1.0%)	0	1	0

log concentration	TC 19 RN002 (4/9) (yellow)		
	Y1	Y2	Y3
-5.000			66.500

log concentration	TC 19 TTN005 (4/14) (yellow)			TC 19 RN002 (4/9) (yellow)			TC 19 TTN017 (5/14) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	88.42	70.15	83.81						
-4.00	98.57	87.93	95.08						
-5.00	94.89	94.26	96.30						
-6.00	89.65	94.85	93.89						
-7.00	86.71	90.80	89.46						
-8.00	71.86	149.28	95.00						
-9.00	94.41	95.97	94.63						
-10.00	90.95	96.01	97.57						
-3.00				4.94	4.30	-1.06			
-4.00				73.35	77.53				
-5.00				89.11	87.98	66.50			
-6.00				93.29		85.73			
-7.00				88.52	89.80	88.78			
-8.00				88.30	89.75	92.32			
-9.00				88.95	89.75	99.29			
-10.00				88.78	96.07				
-3.00							37.4	27.3	28.5
-4.00							67.0	81.5	76.0
-5.00							51.9	58.4	73.8
-6.00							56.5	44.5	99.9
-7.00							108.7	100.4	100.3
-8.00							110.3	105.5	101.6
-9.00							100.6	115.1	95.3
-10.00							104.8	110.3	111.5

TRL TC 19 Negative Control

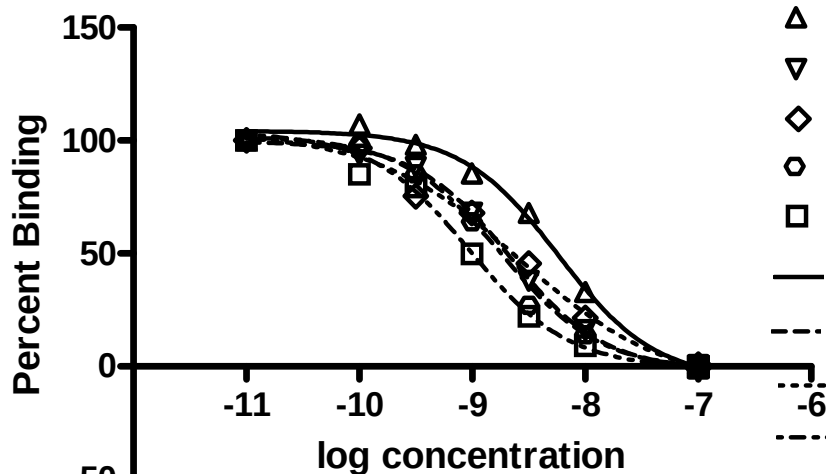


	TC 19 TTN001 NC (3/12) (blue)	TC 19 TTN005 NC (4/14)(yellow)	TC 19 RN002 NC (4/9) (yellow)
logIC50			Not converged
Best-fit values			
Bottom	28.90	18.94	
Top	96.85	101.0	
LogIC50	-4.815	-4.501	
HillSlope	-1.730	-1.031	
Std. Error			
Bottom	2.891	8.433	
Top	1.694	0.7008	
LogIC50	0.1258	0.06132	
HillSlope	1.150	0.2055	
95% Confidence Intervals			
Bottom	22.82 to 34.97	1.142 to 36.73	
Top	93.29 to 100.4	99.49 to 102.4	
LogIC50	-5.080 to -4.551	-4.631 to -4.372	
HillSlope	-4.146 to 0.6856	-1.465 to -0.5976	
Goodness of Fit			
Degrees of Freedom	18	17	
R ²	0.9697	0.9928	
Absolute Sum of Squares	592.8	88.99	
Sy.x	5.739	2.288	
Number of points			
Analyzed	22	21	21
Outliers (excluded, Q=1.0%)	2	0	0

log concentration	TC 19 TTN001 NC (3/12) (blue)		
	Y1	Y2	Y3
-6.000			48.590
-10.000			64.290

log concentration	TC 19 TTN001 NC (3/12) (blue)			TC 19 TTN005 NC (4/14)(yellow)			TC 19 RN002 NC (4/9) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	29.27	30.36	29.50						
-4.00	29.39	31.00	27.27						
-5.00	64.86	69.58	51.38						
-6.00	86.88	102.10	48.59						
-7.00	93.17	98.30	97.28						
-8.00	91.66	89.37	89.67						
-9.00	102.94	100.44	105.16						
-10.00	99.81	99.44	64.29						
-3.00				79.9	76.9	89.09			
-4.00				29.16	34.40	31.73			
-5.00				74.95	72.35	73.35			
-6.00				97.79	98.13	95.90			
-7.00				98.02	103.15	101.03			
-8.00				98.05	102.03	103.71			
-9.00				103.60	101.25	97.72			
-10.00				103.52	97.20	101.29			
-3.00							904.79	910.36	990.01
-4.00							48.87	48.55	54.23
-5.00							80.53	80.37	81.66
-6.00							95.70	91.89	90.23
-7.00							27.01	93.12	97.25
-8.00							96.77	85.68	94.62
-9.00							98.64	98.64	99.71
-10.00							97.84	94.62	91.73

TRL TC 20 Standard Curve



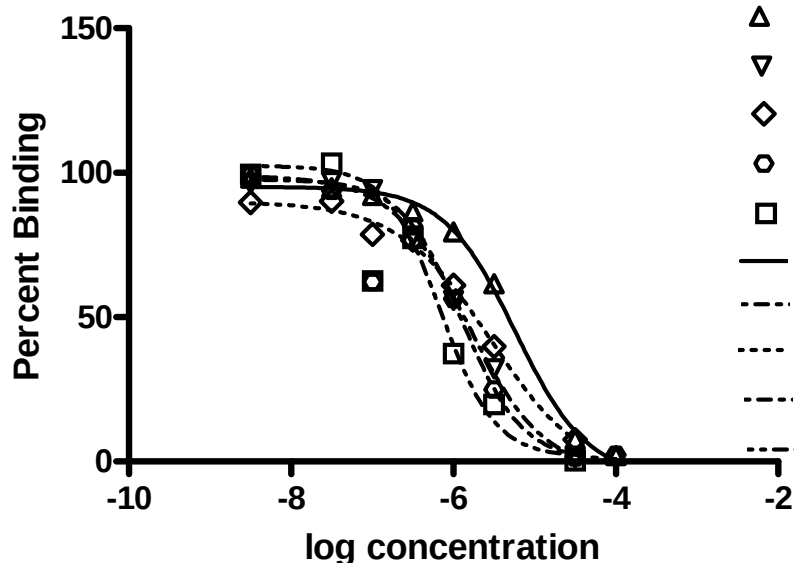
- △ TC 20 TTN011 SC (4/29)(yellow)
- ▽ TC 20 TTN012 SC (4/30)(yellow)
- ◇ TC 20 TTN014 SC (5/7) (yellow)
- TC 20 TTN015 SC (5/8) (blue)
- TC 20 TTN018 SC (6/12) (blue)
- TC 20 TTN011 SC (4/29)(yellow)
- TC 20 TTN012 SC (4/30)(yellow)
- TC 20 TTN014 SC (5/7) (yellow)
- TC 20 TTN015 SC (5/8) (blue)
- TC 20 TTN018 SC (6/12) (blue)

	TC 20 TTN011 SC (4/29)(yellow)	TC 20 TTN012 SC (4/30)(yellow)	TC 20 TTN014 SC (5/7) (yellow)	TC 20 TTN015 SC (5/8) (blue)	TC 20 TTN018 SC (6/12) (blue)
logIC50					
Best-fit values					
Bottom	-6.006	-1.744	-9.366	-1.938	-0.8833
Top	104.3	99.57	103.6	101.9	103.6
LogIC50	-8.249	-8.688	-8.639	-8.743	-8.999
HillSlope	-1.011	-1.034	-0.6729	-0.9835	-0.9948
Std. Error					
Bottom	3.495	1.404	4.477	0.9579	1.463
Top	2.159	1.397	3.810	1.001	2.400
LogIC50	0.03431	0.01898	0.03661	0.01380	0.02211
HillSlope	0.1236	0.06287	0.08578	0.04016	0.07026
95% Confidence Intervals					
Bottom	-13.38 to 1.368	-4.672 to 1.184	-18.74 to 0.004780	-3.943 to 0.06704	-3.971 to 2.204
Top	99.73 to 108.8	96.65 to 102.5	95.65 to 111.6	99.76 to 104.0	98.53 to 108.7
LogIC50	-8.321 to -8.176	-8.728 to -8.649	-8.716 to -8.563	-8.772 to -8.715	-9.046 to -8.952
HillSlope	-1.271 to -0.7499	-1.165 to -0.9030	-0.8524 to -0.4933	-1.068 to -0.8995	-1.143 to -0.8466
Goodness of Fit					
Degrees of Freedom	17	20	19	19	17
R ²	0.9916	0.9959	0.9885	0.9983	0.9937
Absolute Sum of Squares	321.4	155.3	370.0	66.11	179.2
Sy.x	4.348	2.787	4.413	1.865	3.247
Number of points					
Analyzed	21	24	23	23	21
Outliers (excluded, Q=1.0%)	0	0	0	1	1

log concentration	TC 20 TTN015 SC (5/8) (blue)			TC 20 TTN018 SC (6/12) (blue)	
	Y1	Y2	Y3	Y1	Y2
-8.500		7.410			
-11.000					91.320

log concentration	TC 20 TTN011 SC (4/29)(yellow)			TC 20 TTN012 SC (4/30)(yellow)			TC 20 TTN014 SC (5/7) (yellow)			TC 20 TTN015 SC (5/8) (blue)			TC 20 TTN018 SC (6/12) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	-4.22	2.29	-1.06												
-7.00	-2.50	-0.20	5.60												
-8.00	33.95	31.84													
-8.50	63.15	71.77	68.95												
-9.00	84.26	85.66	86.54												
-9.50		97.45	98.68												
-10.00	113.63	103.25	104.31												
-11.00		98.15	101.85												
-7.00				-0.88	-0.28	-0.46									
-7.00				0.10	0.60	0.90									
-8.00				14.35	16.81	16.99									
-8.50				38.18	39.59	36.17									
-9.00				63.60	72.26	68.40									
-9.50				84.55	90.64	89.68									
-10.00				89.38	94.17	97.53									
-11.00				97.53	97.89	104.58									
-7.00							-1.24	-0.34	-0.41						
-7.00							-0.20	0.20	2.00						
-8.00							22.87	19.85	21.39						
-8.50							46.73	41.52	48.72						
-9.00							66.34	65.37	71.80						
-9.50							81.00	73.41	72.00						
-10.00							97.91	100.10	92.25						
-11.00								99.39	100.61						
-7.00										0.18	0.38	-0.31			
-7.00										-0.60	0.50	-0.10			
-8.00										15.87	15.30	11.31			
-8.50										35.84	7.41	38.11			
-9.00										63.70	64.51	64.19			
-9.50										83.90	89.18	82.67			
-10.00										97.82	98.22	98.91			
-11.00										98.71	100.60	100.69			
-7.00													0.28	0.20	-0.01
-7.00													-0.40	-0.40	0.30
-8.00													9.11	8.93	9.93
-8.50													21.02	24.78	21.00
-9.00													51.99	49.47	48.31
-9.50													72.94	82.89	82.61
-10.00															85.15
-11.00													104.36	91.32	104.32

TRL TC 20 Weak Positive



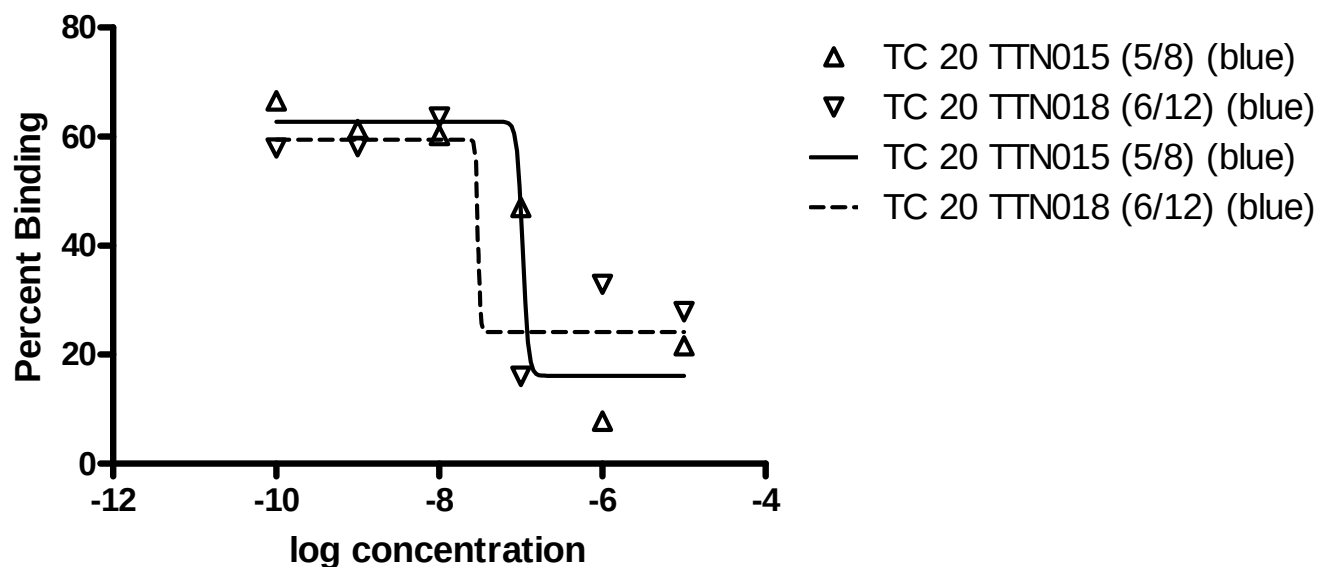
- △ TC 20 TTN011 WP (4/29)(yellow)
- ▽ TC 20 TTN012 WP (4/30)(yellow)
- ◇ TC 20 TTN014 WP (5/7) (yellow)
- TC 20 TTN015 WP (5/8) (blue)
- TC 20 TTN018 WP (6/12) (blue)
- TC 20 TTN011 WP (4/29)(yellow)
- - - TC 20 TTN012 WP (4/30)(yellow)
- · · TC 20 TTN014 WP (5/7) (yellow)
- · · TC 20 TTN015 WP (5/8) (blue)
- · · TC 20 TTN018 WP (6/12) (blue)

	TC 20 TTN011 WP (4/29)(yellow)	TC 20 TTN012 WP (4/30)(yellow)	TC 20 TTN014 WP (5/7) (yellow)	TC 20 TTN015 WP (5/8) (blue)	TC 20 TTN018 WP (6/12) (blue)
logIC50					
Best-fit values					
Bottom	-5.587	-4.160	-6.238	0.1911	1.560
Top	95.16	98.92	89.98	97.63	102.4
LogIC50	-5.326	-5.867	-5.729	-5.911	-6.129
HillSlope	-0.9808	-0.9223	-0.7546	-1.172	-1.303
Std. Error					
Bottom	5.575	4.826	10.69	2.060	2.951
Top	1.793	2.422	3.418	1.844	2.190
LogIC50	0.05060	0.03778	0.05499	0.02600	0.03015
HillSlope	0.1490	0.1237	0.1715	0.1077	0.1555
95% Confidence Intervals					
Bottom	-17.22 to 6.043	-14.34 to 6.024	-29.03 to 16.55	-4.198 to 4.580	-4.815 to 7.934
Top	91.42 to 98.90	93.81 to 104.0	82.69 to 97.26	93.70 to 101.6	97.66 to 107.1
LogIC50	-5.432 to -5.220	-5.946 to -5.787	-5.846 to -5.612	-5.966 to -5.855	-6.194 to -6.064
HillSlope	-1.292 to -0.6700	-1.183 to -0.6613	-1.120 to -0.3891	-1.402 to -0.9426	-1.639 to -0.9673
Goodness of Fit					
Degrees of Freedom	20	17	15	15	13
R ²	0.9854	0.9832	0.9730	0.9918	0.9884
Absolute Sum of Squares	471.9	421.9	412.2	229.8	310.5
Sy.x	4.858	4.982	5.242	3.914	4.887
Number of points					
Analyzed	24	21	19	19	17
Outliers (excluded, Q=1.0%)	0	0	0	2	2

	log concentration	TC 20 TTN015 WP (5/8) (blue)			TC 20 TTN018 WP (6/12) (blue)		
		Y1	Y2	Y3	Y1	Y2	Y3
	-7.000	61.980	62.470				
	-7.000				66.590		58.650

log concentration	TC 20 TTN011 WP (4/29)(yellow)			TC 20 TTN012 WP (4/30)(yellow)			TC 20 TTN014 WP (5/7) (yellow)			TC 20 TTN015 WP (5/8) (blue)			TC 20 TTN018 WP (6/12) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	0.70	0.70	4.93												
-4.50	6.33	9.32	7.92												
-5.50	56.46	66.84	61.57												
-6.00	76.34	77.22	85.14												
-6.50	86.02	89.89	83.73												
-7.00	98.50	87.07	91.12												
-7.50	89.01	93.05	102.55												
-8.50	94.99	94.81	104.66												
-4.00				<u>0.66</u>	<u>1.34</u>	<u>1.73</u>									
-4.50				0.86	1.34	1.73									
-5.50				31.82	33.92	30.39									
-6.00				53.53	56.76	57.06									
-6.50				81.31	72.11	80.75									
-7.00				88.24	94.56	99.63									
-7.50				92.08	99.84	99.00									
-8.50				98.61	85.60	104.76									
-4.00							<u>30.60</u>	<u>42.60</u>	<u>36.20</u>						
-4.50							11.94	4.87	6.22						
-5.50							40.62	37.60	41.20						
-6.00							63.83	61.71	57.53						
-6.50							69.68	79.20	81.19						
-7.00							88.46	75.34	72.45						
-7.50							93.86	86.59							
-8.50							86.66		92.70						
-4.00										<u>0.66</u>	2.79	1.90			
-4.50										0.18	1.98	1.98			
-5.50										24.88	16.50	33.40			
-6.00										59.60	52.69	56.64			
-6.50										81.23	81.44	81.75			
-7.00										61.98	62.47				
-7.50										94.40	93.29				
-8.50										95.29	102.93	99.45			
-4.00													<u>0.66</u>	<u>0.66</u>	<u>0.66</u>
-4.50													0.64	-0.01	0.16
-5.50													19.51		20.04
-6.00													36.40	35.39	40.62
-6.50													78.64	77.64	75.50
-7.00													66.59		58.65
-7.50													103.51	103.63	102.80
-8.50													90.52	106.34	101.29

TRL TC 20 Acceptable

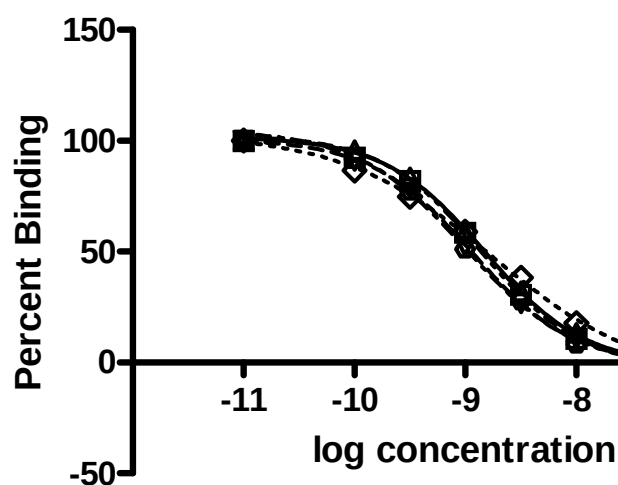


	TC 20 TTN015 (5/8) (blue)	TC 20 TTN018 (6/12) (blue)
logIC50	Ambiguous	Ambiguous
Best-fit values		
Bottom	16.12	24.14
Top	62.72	59.41
LogIC50	~ -7.010	~ -7.535
HillSlope	~ -12.69	~ -33.91
Std. Error		
Bottom	4.705	4.204
Top	2.975	3.324
LogIC50	~ 1.321e+008	~
HillSlope	~ 1.608e+011	~
95% Confidence Intervals		
Bottom	5.958 to 26.28	14.63 to 33.65
Top	56.30 to 69.15	51.89 to 66.93
LogIC50	(Very wide)	(Very wide)
HillSlope	(Very wide)	(Very wide)
Goodness of Fit		
Degrees of Freedom	13	9
R ²	0.8814	0.8280
Absolute Sum of Squares	939.8	795.4
Sy.x	8.503	9.401
Number of points		
Analyzed	17	13
Outliers (excluded, Q=1.0%)	0	0

log concentration	TC 20 TTN015 (5/8) (blue)			TC 20 TTN018 (6/12) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	101.30	217.20	47.00			
-4.0000	127.70	54.60	101.10			
-5.0000	23.70	17.50	23.80			
-6.0000	10.70	4.90	40.10			
-7.0000	53.10	45.10	42.80			
-8.0000	77.30	47.60	55.80			
-9.0000	56.40	62.50	65.10			
-10.0000	64.70	70.90	64.20			
-3.0000				72.4000	90.1000	70.7000
-4.0000				62.5000	40.0000	94.7000
-5.0000					30.0000	25.8000
-6.0000				30.6000	36.4000	32.9000
-7.0000				24.0000	44.1000	8.0000
-8.0000					66.4000	60.8000
-9.0000				50.5000	68.8000	55.2000
-10.0000				48.9000	67.7000	57.0000

TRL TC 20
Unacceptable

TRL TC 21 Standard Curve



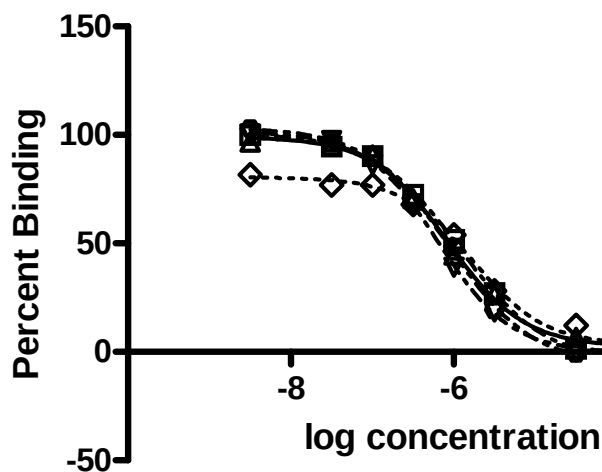
- ▲ TC 21 TTN003 SC (3/28)(yellow)
- ▼ TC 21 TTN005 SC (4/14)(yellow)
- ◆ TC 21 RN001 SC (4/2)(yellow)
- TC 21 TTN006 SC (4/16) (blue)
- TC 21 TTN017 SC (5/14)(yellow)
- TC 21 TTN003 SC (3/28)(yellow)
- TC 21 TTN005 SC (4/14)(yellow)
- TC 21 RN001 SC (4/2)(yellow)
- TC 21 TTN006 SC (4/16) (blue)
- TC 21 TTN017 SC (5/14)(yellow)

	TC 21 TTN003 SC (3/28)(yellow)	TC 21 TTN005 SC (4/14)(yellow)	TC 21 RN001 SC (4/2)(yellow)	TC 21 TTN006 SC (4/16) (blue)	TC 21 TTN017 SC (5/14)(yellow)
logIC50					
Best-fit values					
Bottom	-1.417	-1.357	-8.053	-2.223	-1.642
Top	101.7	100.9	103.0	104.8	102.5
LogIC50	-8.827	-8.946	-8.810	-8.971	-8.857
HillSlope	-0.9697	-0.9462	-0.6438	-0.8872	-0.9797
Std. Error					
Bottom	0.8772	0.5534	3.339	0.9937	0.4059
Top	1.002	0.6972	3.091	1.526	0.5667
LogIC50	0.01235	0.008208	0.03150	0.01419	0.005762
HillSlope	0.03679	0.02346	0.06681	0.03893	0.01798
95% Confidence Intervals					
Bottom	-3.246 to 0.4131	-2.512 to -0.2029	-15.04 to -1.064	-4.303 to -0.1433	-2.495 to -0.7896
Top	99.66 to 103.8	99.49 to 102.4	96.50 to 109.4	101.6 to 108.0	101.3 to 103.7
LogIC50	-8.852 to -8.801	-8.963 to -8.928	-8.876 to -8.744	-9.001 to -8.942	-8.869 to -8.845
HillSlope	-1.046 to -0.8930	-0.9951 to -0.8972	-0.7836 to -0.5040	-0.9687 to -0.8057	-1.018 to -0.9420
Goodness of Fit					
Degrees of Freedom	20	20	19	19	18
R ²	0.9983	0.9992	0.9921	0.9978	0.9996
Absolute Sum of Squares	63.43	26.76	247.5	75.67	12.64
Sy.x	1.781	1.157	3.609	1.996	0.8379
Number of points					
Analyzed	24	24	23	23	22
Outliers (excluded, Q=1.0%)	0	0	0	1	2

log concentration	TC 21 TTN006 SC (4/16) (blue)			TC 21 TTN017 SC (5/14)(yellow)	
	Y1	Y2	Y3	Y1	Y2
-11.000		92.040			
-10.000				85.920	
-11.000					96.990

log concentration	TC 21 TTN003 SC (3/28)(yellow)			TC 21 TTN005 SC (4/14)(yellow)			TC 21 RN001 SC (4/2)(yellow)			TC 21 TTN006 SC (4/16) (blue)			TC 21 TTN017 SC (5/14)(yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	-1.70	-6.70	0.31												
-7.00	0.30	0.80	1.00												
-8.00	12.03	13.79	14.62												
-8.50	33.38	29.82	33.00												
-9.00	60.16	58.78	57.40												
-9.50	84.82	83.86	81.81												
-10.00	93.86	93.82	99.43												
-11.00	100.10	101.44	98.47												
-7.00				0.96	-0.68	0.55									
-7.00				-0.40	-0.80	0.30									
-8.00				11.56	9.96	10.74									
-8.50				26.11	27.82	26.55									
-9.00				51.66	52.63	53.08									
-9.50				79.27	76.29	80.16									
-10.00				92.62	89.57	90.50									
-11.00				100.10	100.40	99.50									
-7.00							-0.01	1.14	1.39						
-7.00							-2.94	-1.35	1.77						
-8.00							19.80	17.51	15.73						
-8.50							30.76	46.19	37.84						
-9.00							58.29	60.58	57.84						
-9.50							76.32	73.20							
-10.00							83.07	92.25	84.67						
-11.00							101.55	96.33	102.12						
-7.00										-1.40	-1.35	-1.55			
-7.00										-0.30	2.80	1.80			
-8.00										8.31	8.52	7.86			
-8.50										24.62	28.14	30.35			
-9.00										49.16	53.36	50.95			
-9.50										78.50	77.03	76.37			
-10.00										91.64	89.99	92.99			
-11.00										104.49	92.04	103.47			
-7.00													-0.04	0.40	-0.02
-7.00													-0.30	0.10	-0.10
-8.00													11.40	10.53	10.53
-8.50													29.49	30.33	31.70
-9.00													56.97	59.33	59.31
-9.50													82.55	80.65	82.49
-10.00													85.92	95.68	95.82
-11.00													101.53	96.99	101.47

TRL TC 21 Weak Positive

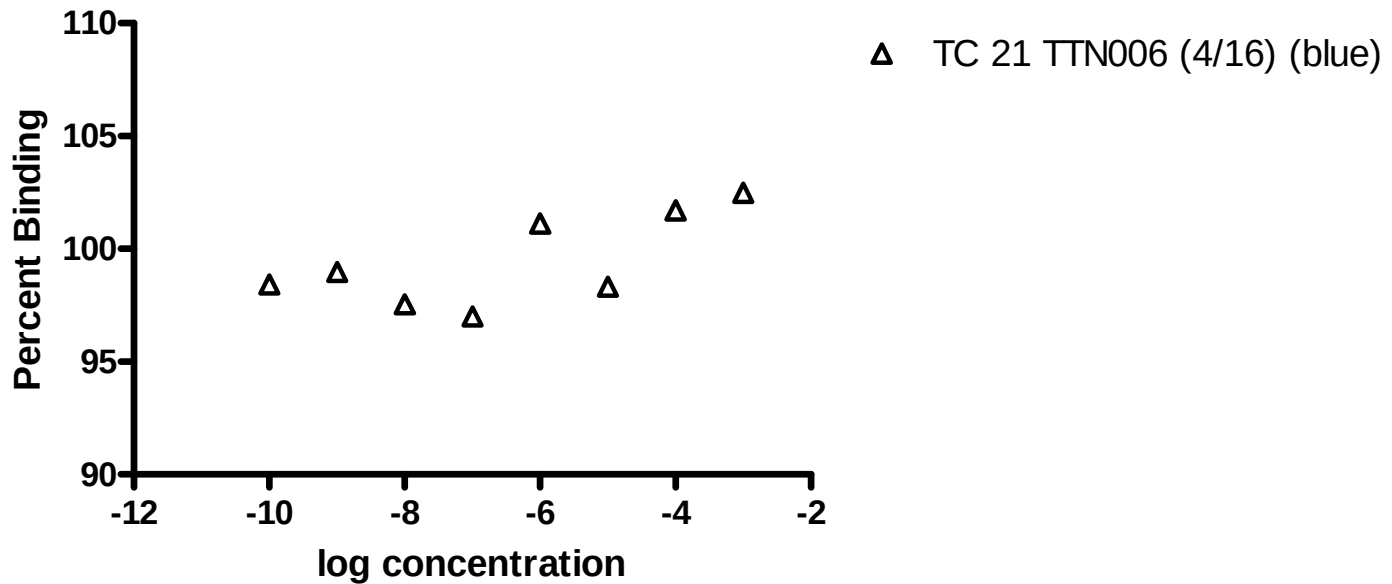


- △ TC 21 TTN003 WP (3/28)(yellow)
- ▽ TC 21 TTN005 WP (4/14)(yellow)
- ◇ TC 21 RN001 WP (4/2)(yellow)
- TC 21 TTN006 WP (4/16) (blue)
- TC 21 TTN017 WP (5/14)(yellow)
- TC 21 TTN003 WP (3/28)(yellow)
- - - TC 21 TTN005 WP (4/14)(yellow)
- ... TC 21 RN001 WP (4/2)(yellow)
- TC 21 TTN006 WP (4/16) (blue)
- TC 21 TTN017 WP (5/14)(yellow)

	TC 21 TTN003 WP (3/28)(yellow)	TC 21 TTN005 WP (4/14)(yellow)	TC 21 RN001 WP (4/2)(yellow)	TC 21 TTN006 WP (4/16) (blue)	TC 21 TTN017 WP (5/14)(yellow)
logIC50					
Best-fit values					
Bottom	2.304	-0.4308	3.260	-5.888	-5.214
Top	99.04	101.5	80.51	103.3	100.7
LogIC50	-6.059	-6.180	-5.951	-6.081	-5.975
HillSlope	-0.9349	-0.9731	-0.9886	-0.8640	-0.8206
Std. Error					
Bottom	2.607	1.512	2.815	2.207	2.749
Top	2.451	1.335	1.921	1.430	1.515
LogIC50	0.03492	0.01782	0.04216	0.01843	0.02115
HillSlope	0.1005	0.05419	0.1400	0.05233	0.05889
95% Confidence Intervals					
Bottom	-3.173 to 7.780	-3.607 to 2.745	-2.632 to 9.152	-10.54 to -1.232	-11.02 to 0.5863
Top	93.89 to 104.2	98.68 to 104.3	76.49 to 84.53	100.2 to 106.3	97.55 to 103.9
LogIC50	-6.132 to -5.985	-6.217 to -6.142	-6.039 to -5.863	-6.120 to -6.043	-6.019 to -5.930
HillSlope	-1.146 to -0.7237	-1.087 to -0.8593	-1.282 to -0.6956	-0.9744 to -0.7536	-0.9449 to -0.6964
Goodness of Fit					
Degrees of Freedom	18	18	19	17	17
R ²	0.9870	0.9963	0.9816	0.9962	0.9951
Absolute Sum of Squares	375.5	115.1	355.7	110.9	123.3
Sy.x	4.567	2.528	4.327	2.555	2.693
Number of points					
Analyzed	22	22	23	21	21
Outliers (excluded, Q=1.0%)	0	0	0	0	0

log concentration	TC 21 TTN003 WP (3/28)(yellow)			TC 21 TTN005 WP (4/14)(yellow)			TC 21 RN001 WP (4/2)(yellow)			TC 21 TTN006 WP (4/16) (blue)			TC 21 TTN017 WP (5/14)(yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00		-0.91	1.69												
-4.50	6.21	6.21	7.93												
-5.50	27.31	24.79	27.81												
-6.00	39.03	48.03	46.52												
-6.50	70.46	69.29	72.01												
-7.00	85.74	95.03	91.64												
-7.50	99.26		90.34												
-8.50	103.82	88.13	98.38												
-4.00				63.25	4.93	4.50									
-4.50				0.22	0.03	-0.38									
-5.50				17.52	18.82	19.04									
-6.00				38.79	38.98	39.57									
-6.50				64.16	70.71	69.89									
-7.00				89.24	82.80	86.74									
-7.50				95.90	96.23	100.32									
-8.50				97.46	101.81	102.00									
-4.00							-4.41		2.35						
-4.50							9.99	14.77	12.22						
-5.50							28.02	25.79	30.51						
-6.00							51.92	57.21	52.75						
-6.50							68.90	65.04	69.76						
-7.00							74.60	81.03	74.92						
-7.50							76.13	79.38	75.43						
-8.50							75.68	82.69	86.39						
-4.00										48.24		48.26			
-4.50										-0.79	-0.76	-0.54			
-5.50										18.50	18.72	20.89			
-6.00										48.01	48.28	48.91			
-6.50										70.16	68.06	67.86			
-7.00										89.51	89.36	93.06			
-7.50										95.32	95.50	97.46			
-8.50										99.25	104.80	104.87			
-4.00													44.44	46.06	40.64
-4.50													1.21	1.67	1.35
-5.50													26.30	28.42	27.25
-6.00													52.42	51.79	51.15
-6.50													67.26	71.33	78.47
-7.00													90.29	90.47	90.19
-7.50													92.81	97.19	93.64
-8.50													96.73	103.48	99.73

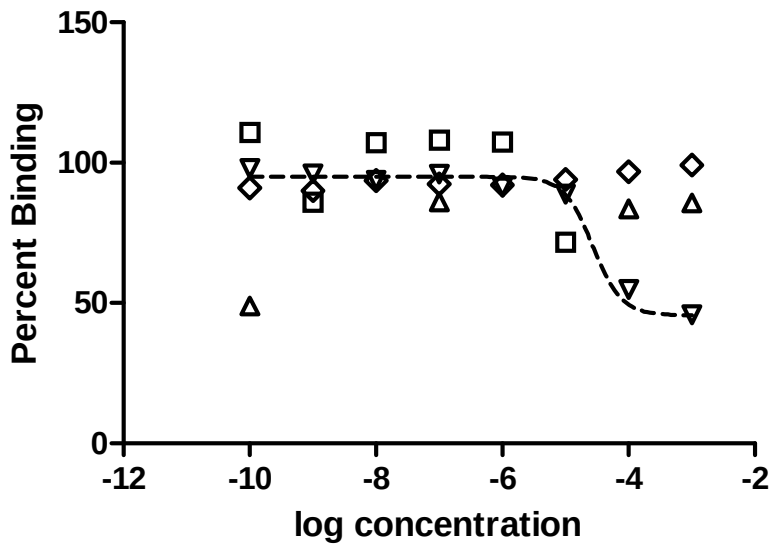
TRL TC 21 Acceptable



	TC 21 TTN006 (4/16) (blue)
logIC50	Not converged
Best-fit values	
Bottom	
Top	
LogIC50	
HillSlope	
Std. Error	
Bottom	
Top	
LogIC50	
HillSlope	
95% Confidence Intervals	
Bottom	
Top	
LogIC50	
HillSlope	
Goodness of Fit	
Degrees of Freedom	
R ²	
Absolute Sum of Squares	
Sy x	
Number of points	
Analyzed	24
Outliers (excluded, Q=1.0%)	0

log concentration	TC 21 TTN006 (4/16) (blue)		
	Y1	Y2	Y3
-3.0000	98.48	102.61	106.38
-4.0000	97.12	103.90	104.12
-5.0000	94.93	100.96	99.09
-6.0000	96.27	104.78	102.32
-7.0000	90.78	103.85	96.40
-8.0000	92.11	100.47	100.04
-9.0000	91.82	102.50	102.59
-10.0000	94.75	99.13	101.39

TRL TC 21 Unacceptable

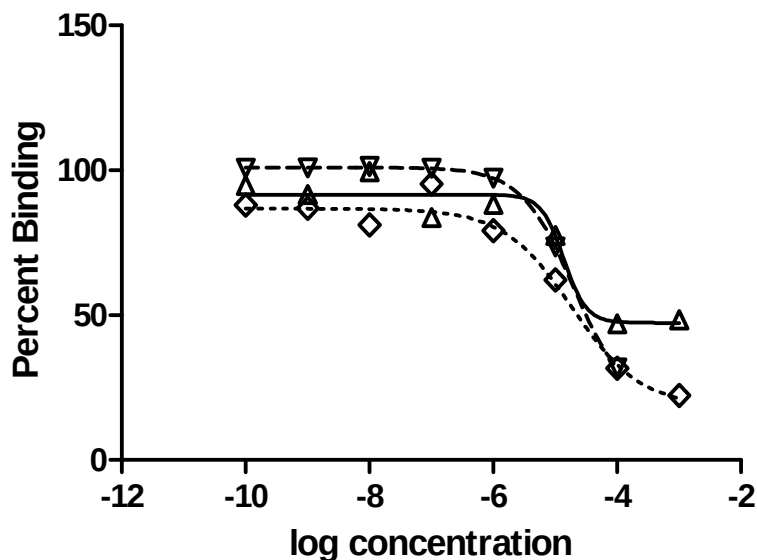


	TC 21 TTN003 (3/28) (yellow)	TC 21 TTN005 (4/14) (yellow)	TC 21 RN001 (4/2) (yellow)	TC 21 TTN017 (5/14) (yellow)
logIC50	Too few points		Not converged	Not converged
Best-fit values				
Bottom		45.64		
Top		95.03		
LogIC50		-4.033		
HillSlope		-1.903		
Std. Error				
Bottom		2.152		
Top		0.9416		
LogIC50		0.1612		
HillSlope		0.4306		
95% Confidence Intervals				
Bottom		41.14 to 50.15		
Top		93.06 to 97.00		
LogIC50		-4.370 to -3.695		
HillSlope		-2.805 to -1.002		
Goodness of Fit				
Degrees of Freedom		19		
R ²		0.9720		
Absolute Sum of Squares		249.7		
Sy.x		3.625		
Number of points				
Analyzed	4	23	22	17
Outliers (excluded, Q=1.0%)	0	1	0	0

log concentration	TTN005 (4/14) (yellow)
-4.000	65.840

log concentration	TC 21 TTN003 (3/28) (yellow)			TC 21 TTN005 (4/14) (yellow)			TC 21 RN001 (4/2) (yellow)			TC 21 TTN017 (5/14) (yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	85.50	82.46	85.70									
-4.00	83.50	86.96	84.46									
-5.00	82.99	80.96	82.99									
-6.00	82.63	82.00	82.76									
-7.00	86.00	80.96	83.46									
-8.00	83.00	80.96	83.46									
-9.00	80.00	80.60	80.76									
-10.00	48.90	80.46	81.60									
-3.00				45.08	43.33	48.91						
-4.00				65.84	49.21	49.43						
-5.00				87.00	87.93	91.32						
-6.00				92.81	88.16	92.96						
-7.00				89.83	100.40	97.53						
-8.00				92.21	94.44	94.48						
-9.00				93.22	97.50	97.53						
-10.00				96.57	103.82	93.44						
-3.00							96.77	100.34	100.59			
-4.00							96.90	92.63	100.91			
-5.00							91.16	94.54	96.39			
-6.00								96.71	87.41			
-7.00							88.36	97.09	91.80			
-8.00							89.25	95.82	96.13			
-9.00							87.21	92.95	102.96			
-10.00							89.76	92.89	90.72			
-3.00										105.4	102.2	102.9
-4.00										100.4	106.8	103.8
-5.00										60.4	83.0	109.1
-6.00										107.5	110.3	104.5
-7.00										110.4	108.8	104.8
-8.00										107.2	107.6	106.9
-9.00										81.7	100.9	75.2
-10.00										107.1	112.4	113.0

TRL TC 21 Negative Control



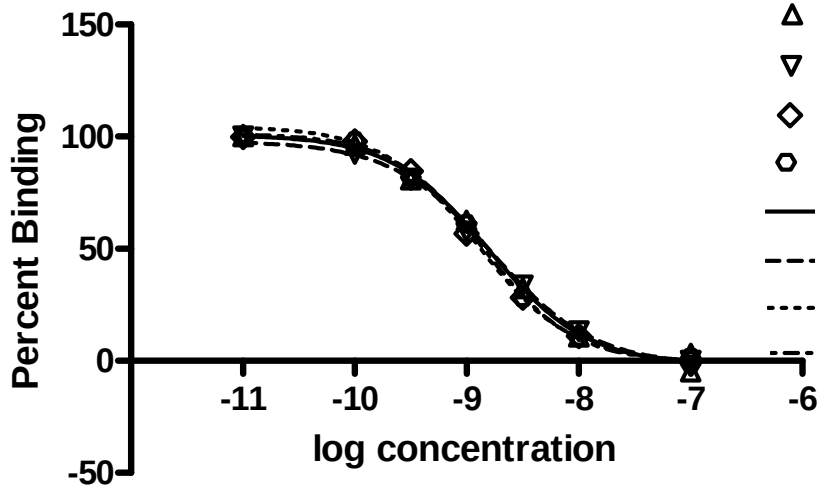
- ▲ TC 21 TTN003 NC (3/28)(yellow)
 ▼ TC 21 TTN005 NC (4/14)(yellow)
 ◇ TC 21 RN001 NC (4/2)(yellow)
 — TC 21 TTN003 NC (3/28)(yellow)
 --- TC 21 TTN005 NC (4/14)(yellow)
 TC 21 RN001 NC (4/2)(yellow)

	TC 21 TTN003 NC (3/28)(yellow)	TC 21 TTN005 NC (4/14)(yellow)	TC 21 RN001 NC (4/2)(yellow)
logIC50			
Best-fit values			
Bottom	47.36	18.94	18.45
Top	91.61	101.0	86.78
LogIC50	-4.361	-4.501	-4.642
HillSlope	-2.389	-1.031	-0.7840
Std. Error			
Bottom	9.607	8.433	3.979
Top	3.622	0.7008	1.232
LogIC50	3.243	0.06132	0.06643
HillSlope	13.75	0.2055	0.1200
95% Confidence Intervals			
Bottom	27.25 to 67.47	1.142 to 36.73	10.05 to 26.84
Top	84.03 to 99.19	99.49 to 102.4	84.18 to 89.38
LogIC50	-11.15 to 2.427	-4.631 to -4.372	-4.782 to -4.502
HillSlope	-31.17 to 26.39	-1.465 to -0.5976	-1.037 to -0.5309
Goodness of Fit			
Degrees of Freedom	19	17	17
R ²	0.6668	0.9928	0.9806
Absolute Sum of Squares	3641	88.99	239.5
Sy.x	13.84	2.288	3.754
Number of points			
Analyzed	23	21	21
Outliers (excluded, Q=1.0%)	0	0	2

	log concentration	TC 21 RN001 NC (4/2)(yellow)		
		Y1	Y2	Y3
	-7.000			119.520
	-8.000	67.910		

log concentration	TC 21 TTN003 NC (3/28)(yellow)			TC 21 TTN005 NC (4/14)(yellow)			TC 21 RN001 NC (4/2)(yellow)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.00	71.65	57.40	39.44						
-4.00	54.76	51.42	34.88						
-5.00	79.67	78.37	74.65						
-6.00	94.95	105.41	64.69						
-7.00	56.65	97.29	97.04						
-8.00	89.47	106.17	102.86						
-9.00	96.37	103.66	74.86						
-10.00	83.14	99.47	101.69						
-3.00				72.13	39.42	82.93			
-4.00				29.16	34.40	31.73			
-5.00				74.95	72.35	73.35			
-6.00				97.79	98.13	95.90			
-7.00				98.02	103.15	101.03			
-8.00				98.05	102.03	103.71			
-9.00				103.60	101.25	97.72			
-10.00				103.52	97.20	101.29			
-3.00							26.49	18.15	5.99
-4.00							32.80	32.36	29.87
-5.00							64.60	59.05	63.00
-6.00							77.85	85.05	74.73
-7.00							86.26	80.01	119.52
-8.00							67.91	88.30	87.28
-9.00							89.89	89.83	81.03
-10.00							84.73	89.64	89.89

TRL TC 22 Standard Curve



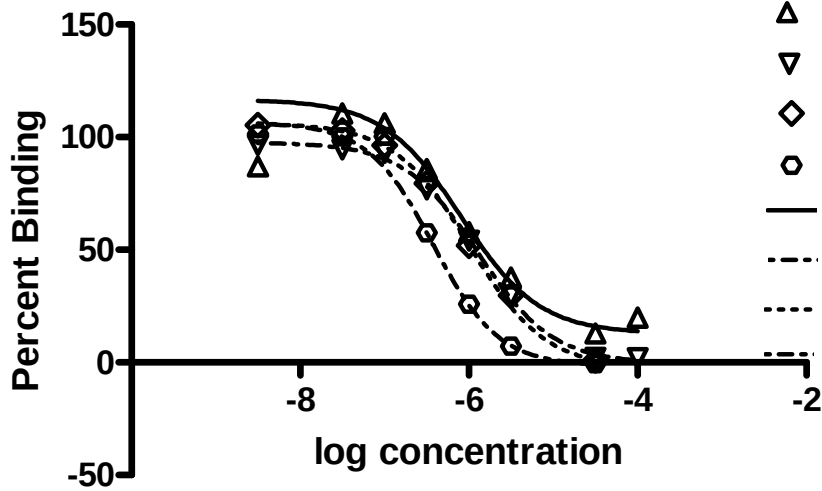
- △ TC 22 RN003 SC (4/16)(yellow)
- ▽ TC 22 TTN007 SC (4/21)(green)
- ◇ TC 22 TTN008 SC (4/22) (green)
- TC 22 TTN009 SC (4/23) (blue)
- TC 22 RN003 SC (4/16)(yellow)
- TC 22 TTN007 SC (4/21)(green)
- TC 22 TTN008 SC (4/22) (green)
- .- TC 22 TTN009 SC (4/23) (blue)

	TC 22 RN003 SC (4/16)(yellow)	TC 22 TTN007 SC (4/21)(green)	TC 22 TTN008 SC (4/22) (green)	TC 22 TTN009 SC (4/23) (blue)
logIC50				
Best-fit values				
Bottom	-1.967	-1.992	-0.7962	-0.9623
Top	100.9	97.97	104.6	101.3
LogIC50	-8.811	-8.806	-8.876	-8.848
HillSlope	-0.9935	-0.9609	-1.034	-1.080
Std. Error				
Bottom	5.144	0.7422	0.8682	1.111
Top	5.356	0.9282	1.218	1.294
LogIC50	0.06751	0.01138	0.01252	0.01618
HillSlope	0.2152	0.03297	0.04164	0.05529
95% Confidence Intervals				
Bottom	-12.77 to 8.841	-3.552 to -0.4330	-2.613 to 1.021	-3.279 to 1.355
Top	89.63 to 112.1	96.02 to 99.92	102.0 to 107.1	98.63 to 104.0
LogIC50	-8.953 to -8.669	-8.830 to -8.782	-8.903 to -8.850	-8.882 to -8.814
HillSlope	-1.446 to -0.5413	-1.030 to -0.8916	-1.121 to -0.9464	-1.195 to -0.9643
Goodness of Fit				
Degrees of Freedom	18	18	19	20
R ²	0.9519	0.9988	0.9981	0.9969
Absolute Sum of Squares	1700	37.36	68.73	121.5
Sy.x	9.719	1.441	1.902	2.465
Number of points				
Analyzed	22	22	23	24
Outliers (excluded, Q=1.0%)	0	2	1	0

	log concentration	TC 22 TTN007 SC (4/21)(green)		TC 22 TTN008 SC (4/22)	
		Y1	Y2	Y3	Y1
	-9.000	50.960			
	-11.000			105.870	
	-11.000				94.230

log concentration	TC 22 RN003 SC (4/16)(yellow)			TC 22 TTN007 SC (4/21)(green)			TC 22 TTN008 SC (4/22) (green)			TC 22 TTN009 SC (4/23) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	4.73	1.57	3.28									
-7.00	-5.24		-4.34									
-8.00	10.64	10.94										
-8.50	50.67	15.95	30.47									
-9.00	61.05	60.06	66.51									
-9.50	87.91	87.91	66.82									
-10.00	98.53	85.52	104.87									
-11.00	82.91	105.85	111.24									
-7.00				0.50	-0.54	0.47						
-7.00				-0.51	0.07	0.01						
-8.00				13.65	12.67	13.42						
-8.50				32.23	35.82	32.46						
-9.00				50.96	61.27	60.55						
-9.50				82.03	78.84	81.46						
-10.00				88.95	93.69	94.24						
-11.00				98.14	95.99	105.87						
-7.00							0.24	0.21	-0.33			
-7.00							-0.38	0.17	0.09			
-8.00							10.15	12.31	10.65			
-8.50							29.11	28.34	27.54			
-9.00							56.87	55.55	57.84			
-9.50							84.20	84.13	85.61			
-10.00							92.29	101.22	100.14			
-11.00							94.23	104.02	101.74			
-7.00										-1.44	0.56	5.21
-7.00										-2.45	-1.08	-0.90
-8.00										9.03	9.69	12.93
-8.50										26.76	29.73	28.09
-9.00										61.87	58.97	62.57
-9.50										82.52	79.33	83.94
-10.00										99.71	97.32	97.14
-11.00										100.86	99.03	100.11

TRL TC 22 Weak Positive

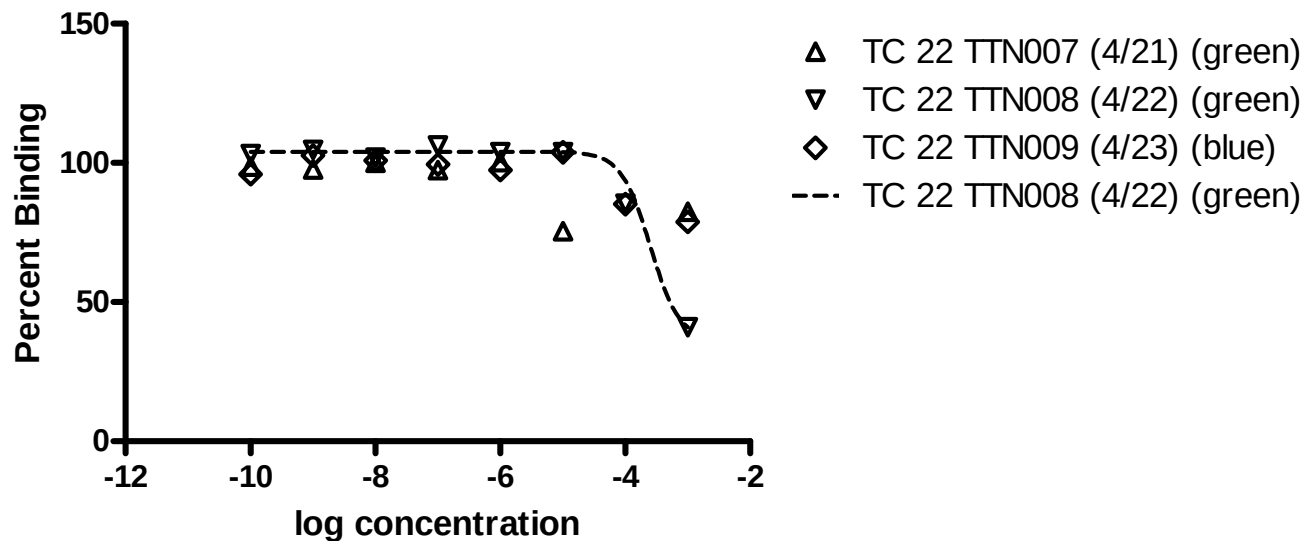


	TC 22 RN003 WP (4/16) (yellow)	TC 22 TTN007 WP (4/21) (green)	TC 22 TTN008 WP (4/22) (green)	TC 22 TTN009 WP (4/23) (blue)
logIC50				
Best-fit values				
Bottom	12.81	-0.3970	-2.750	-1.554
Top	116.7	97.69	106.3	106.5
LogIC50	-5.821	-5.914	-5.962	-6.389
HillSlope	-0.9386	-0.9852	-0.9699	-1.119
Std. Error				
Bottom	3.474	1.529	1.639	0.7973
Top	4.686	1.315	1.021	0.8262
LogIC50	0.04373	0.02094	0.01493	0.009092
HillSlope	0.1383	0.06666	0.04814	0.03976
95% Confidence Intervals				
Bottom	5.405 to 20.21	-3.586 to 2.792	-6.225 to 0.7245	-3.276 to 0.1681
Top	106.8 to 126.7	94.94 to 100.4	104.1 to 108.4	104.7 to 108.3
LogIC50	-5.914 to -5.728	-5.958 to -5.871	-5.993 to -5.930	-6.409 to -6.370
HillSlope	-1.233 to -0.6439	-1.124 to -0.8461	-1.072 to -0.8679	-1.205 to -1.033
Goodness of Fit				
Degrees of Freedom	15	20	16	13
R ²	0.9844	0.9953	0.9977	0.9992
Absolute Sum of Squares	396.3	161.3	66.89	23.09
Sy.x	5.140	2.840	2.045	1.333
Number of points				
Analyzed	19	24	20	17
Outliers (excluded, Q=1.0%)	2	0	1	4

log concentration	TC 22 RN003 WP (4/16) (yellow)			TC 22 TTN007 WP (4/21) (green)			TC 22 TTN008 WP (4/22) (green)			TC 22 TTN009 WP (4/23) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-8.500	90.210	84.050										
-5.500							39.020					
-7.000										99.370	103.000	98.720
-8.500												92.660

log concentration	TC 22 RN003 WP (4/16) (yellow)			TC 22 TTN007 WP (4/21) (green)			TC 22 TTN008 WP (4/22) (green)			TC 22 TTN009 WP (4/23) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00	19.88											
-4.50	12.82	13.64	12.49									
-5.00	33.17	43.59	36.60									
-6.00	49.15	63.35	61.37									
-6.50	83.26	88.32	85.92									
-7.00	102.29	102.52	113.85									
-7.50	112.09	108.03	111.70									
-8.50	90.21	84.05										
-4.00				0.99	1.27	3.54						
-4.50				2.13	1.88	2.28						
-5.00				29.39	29.79	29.22						
-6.00				56.53	49.15	56.33						
-6.50				78.81	75.66	76.06						
-7.00				91.80	93.20	94.24						
-7.50				89.96	98.03	95.53						
-8.50				98.95	99.06	91.94						
-4.00							0.82	0.62	1.14			
-4.50							39.02	25.65	24.75			
-5.00							50.30	51.85	53.78			
-6.00							75.90	81.36	81.52			
-6.50							93.39	97.96	97.98			
-7.00							100.27	102.68	105.72			
-7.50							103.56	107.51	105.19			
-8.50												
-4.00										0.75	0.7	0.9
-4.50										-0.54	-1.10	-0.31
-5.00										8.43	6.31	6.85
-6.00										23.65	27.80	26.20
-6.50										58.88	55.45	58.18
-7.00										99.37	103.00	98.72
-7.50										100.07	99.23	101.53
-8.50										106.67	105.09	92.66

TRL TC 22 Acceptable

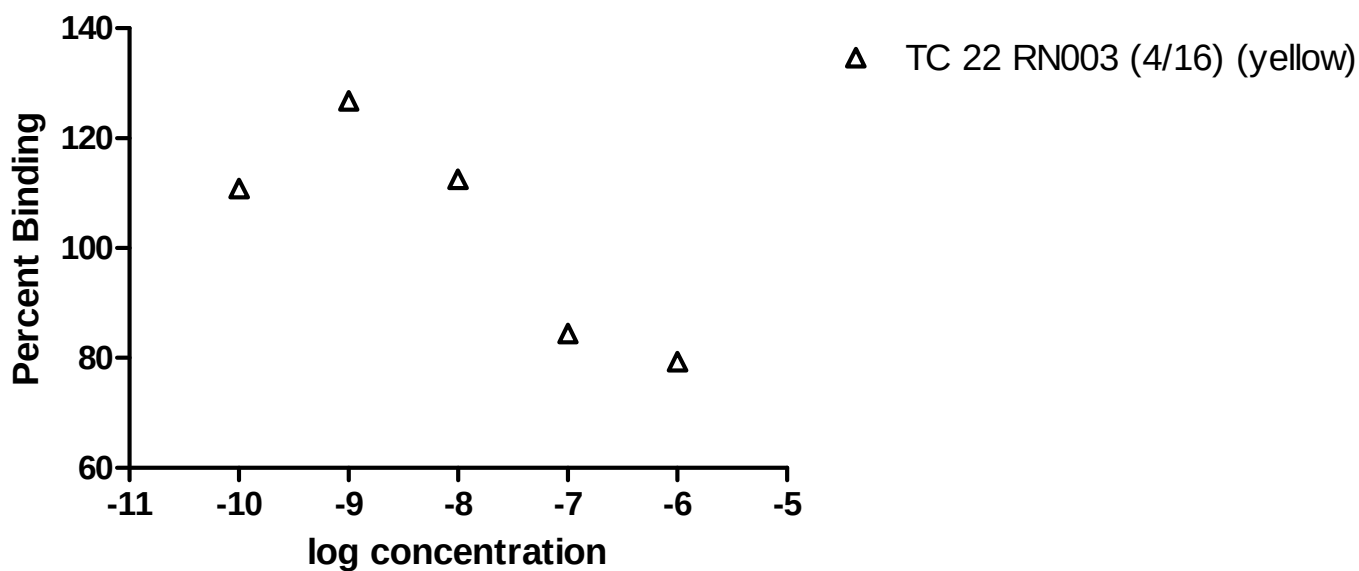


	TC 22 TTN007 (4/21) (green)	TC 22 TTN008 (4/22) (green)	TC 22 TTN009 (4/23) (blue)
logIC50	Not converged		Not converged
Best-fit values			
Bottom		35.96	
Top		104.0	
LogIC50		-3.280	
HillSlope		-1.860	
Std. Error			
Bottom		93.61	
Top		1.148	
LogIC50		1.727	
HillSlope		7.516	
95% Confidence Intervals			
Bottom		-160.0 to 231.9	
Top		101.6 to 106.4	
LogIC50		-6.894 to 0.3349	
HillSlope		-17.59 to 13.87	
Goodness of Fit			
Degrees of Freedom		19	
R ²		0.9649	
Absolute Sum of Squares		371.4	
Sy x		4.421	
Number of points			
Analyzed	21	23	24
Outliers (excluded, Q=1.0%)	0	1	0

	log concentration	TC 22 TTN008 (4/22) (green)
		Y1 Y2
	-4.000	68.307

log concentration	TC 22 TTN007 (4/21) (green)			TC 22 TTN008 (4/22) (green)			TC 22 TTN009 (4/23) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	84.99	84.79	77.58						
-4.0000	67.95	66.16	66.39						
-5.0000	77.24	84.62	64.34						
-6.0000	94.93	102.65	103.28						
-7.0000	97.65	95.90	98.66						
-8.0000	97.25	98.72	104.09						
-9.0000	96.02	99.18	97.88						
-10.0000	95.53	100.38	100.18						
-3.0000				41.2592	41.3637	40.1243			
-4.0000				93.5102	68.3072	94.0969			
-5.0000				99.7472	107.6366	104.0499			
-6.0000				100.9185	104.2679	106.0711			
-7.0000				112.4961	100.3717	106.0024			
-8.0000				92.5680	104.8749	108.4940			
-9.0000				100.2949	109.8637	103.7324			
-10.0000				99.5362	102.3823	107.6719			
-3.0000							84.3249	85.6312	66.5778
-4.0000							96.7118	99.3694	59.4159
-5.0000							101.3738	105.5854	104.5944
-6.0000							99.5946	92.2751	100.6081
-7.0000							93.8966	99.3469	105.1349
-8.0000							101.9594	103.7611	96.8695
-9.0000							97.8604	103.8512	106.2385
-10.0000							89.9103	100.9234	96.8019

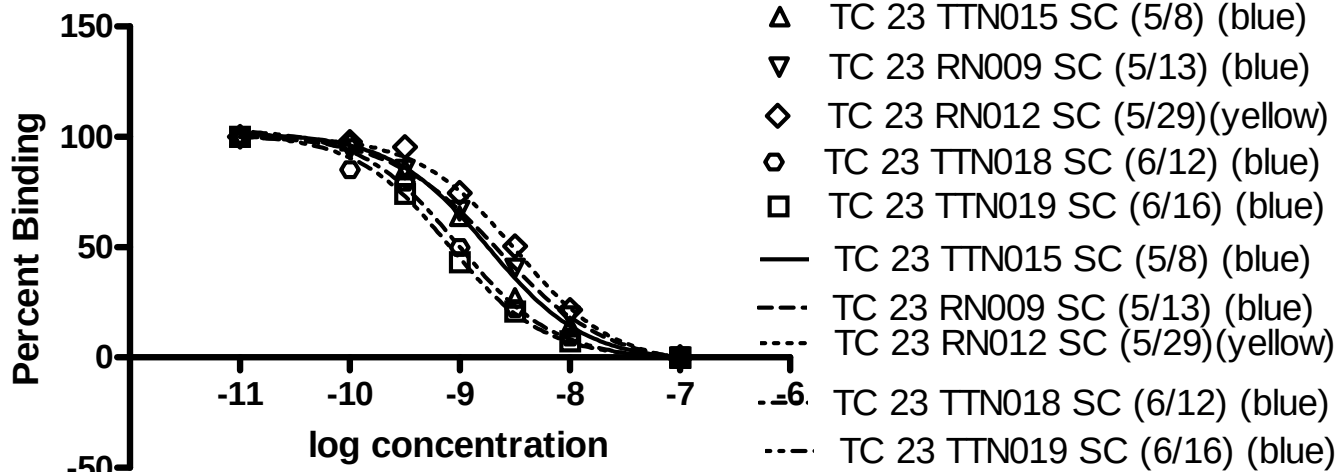
TRL TC 22 Unacceptable



	TC 22 RN003 (4/16) (yellow)
logIC50	Not converged
Best-fit values	
Bottom	
Top	
LogIC50	
HillSlope	
Std. Error	
Bottom	
Top	
LogIC50	
HillSlope	
95% Confidence Intervals	
Bottom	
Top	
LogIC50	
HillSlope	
Goodness of Fit	
Degrees of Freedom	
R ²	
Absolute Sum of Squares	
Sy x	
Number of points	
Analyzed	13
Outliers (excluded, Q=1.0%)	0

log concentration	TC 22 RN003 (4/16) (yellow)		
	Y1	Y2	Y3
-3.00	92.76	102.91	124.62
-4.00	106.29	110.17	115.64
-5.00	110.62	105.02	107.94
-6.00	106.12	106.46	79.27
-7.00	71.25	89.78	92.32
-8.00	102.77	106.53	128.16
-9.00	126.21	123.01	131.09
-10.00	110.07	110.80	111.64

TRL TC 23 Standard Curve

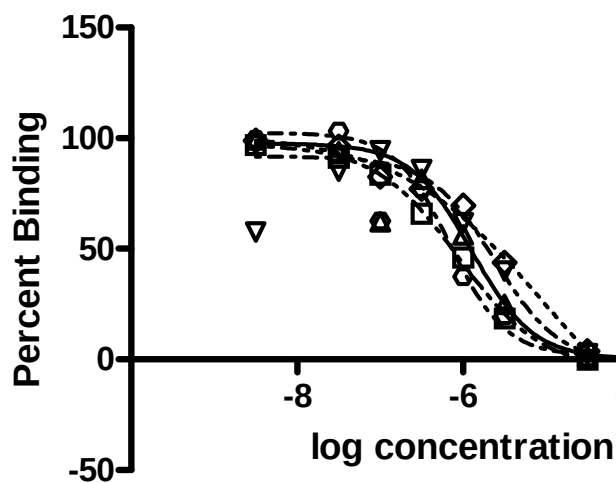


	TC 23 TTN015 SC (5/8) (blue)	TC 23 RN009 SC (5/13) (blue)	TC 23 RN012 SC (5/29)(yellow)	TC 23 TTN018 SC (6/12) (blue)	TC 23 TTN019 SC (6/16) (blue)
logIC50					
Best-fit values					
Bottom	-1.938	-3.426	-3.713	-0.8833	-0.3384
Top	101.9	100.8	100.5	103.6	101.5
LogIC50	-8.743	-8.675	-8.515	-8.999	-9.085
HillSlope	-0.9835	-0.8863	-0.9736	-0.9948	-1.018
Std. Error					
Bottom	0.9579	1.052	0.8891	1.463	1.581
Top	1.001	0.9916	0.7193	2.400	2.154
LogIC50	0.01380	0.01284	0.01022	0.02211	0.02342
HillSlope	0.04016	0.03573	0.03367	0.07026	0.07764
95% Confidence Intervals					
Bottom	-3.943 to 0.06704	-5.619 to -1.232	-5.574 to -1.853	-3.971 to 2.204	-3.691 to 3.014
Top	99.76 to 104.0	98.75 to 102.9	98.97 to 102.0	98.53 to 108.7	96.90 to 106.0
LogIC50	-8.772 to -8.715	-8.702 to -8.648	-8.537 to -8.494	-9.046 to -8.952	-9.134 to -9.035
HillSlope	-1.068 to -0.8995	-0.9608 to -0.8118	-1.044 to -0.9031	-1.143 to -0.8466	-1.182 to -0.8531
Goodness of Fit					
Degrees of Freedom	19	20	19	17	16
R ²	0.9983	0.9983	0.9989	0.9937	0.9932
Absolute Sum of Squares	66.11	61.80	40.72	179.2	181.5
Sy.x	1.865	1.758	1.464	3.247	3.368
Number of points					
Analyzed	23	24	23	21	20
Outliers (excluded, Q=1.0%)	1	0	1	1	0

log concentration	TC 23 TTN015 SC (5/8) (blue)			TC 23 RN009 SC (5/13) (blue)			TC 23 RN012 SC (5/29)(yellow)			TC 23 TTN018 SC (6/12) (blue)	
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2
-8.500		7.410									
-9.500								106.200			
-11.000											91.320

log concentration	TC 23 TTN015 SC (5/8) (blue)			TC 23 RN009 SC (5/13) (blue)			TC 23 RN012 SC (5/29)(yellow)			TC 23 TTN018 SC (6/12) (blue)			TC 23 TTN019 SC (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.00	0.18	0.38	-0.31												
-7.00	-0.60	0.50	-0.10												
-8.00	15.87	15.30	11.31												
-8.50	35.84	7.41	38.11												
-9.00	63.70	64.51	64.19												
-9.50	83.90	89.18	82.67												
-10.00	97.82	98.22	98.91												
-11.00	98.71	100.60	100.69												
-7.00				-0.52	-0.05	0.00									
-7.00				-0.89	0.43	1.03									
-8.00				17.82	17.62	20.72									
-8.50				37.55	39.88	43.80									
-9.00				66.59	67.49	65.91									
-9.50				83.63	84.20	88.16									
-10.00				92.66	96.61	93.93									
-11.00				102.56	99.50	97.93									
-7.00							0.14	-1.45	0.57						
-7.00							1.90	-1.50	0.40						
-8.00							21.58	21.21	21.76						
-8.50							49.64	51.36	50.13						
-9.00							75.07	75.01	73.90						
-9.50							89.07	106.20	91.10						
-10.00							99.57	97.18	96.44						
-11.00							98.16	99.20	102.64						
-7.00										0.28	0.20	-0.01			
-7.00										-0.40	-0.40	0.30			
-8.00										9.11	8.93	9.93			
-8.50										21.02	24.78	21.00			
-9.00										51.99	49.47	48.31			
-9.50										72.94	82.89	82.61			
-10.00												85.15			
-11.00										104.36	91.32	104.32			
-7.00													0.02	0.13	
-7.00													-0.30	0.50	-0.40
-8.00													6.04	7.02	9.39
-8.50													20.68	19.23	22.95
-9.00													46.15	41.09	42.62
-9.50													66.64	78.88	77.19
-10.00															
-11.00													103.78	101.82	94.40

TRL TC 23 Weak Positive



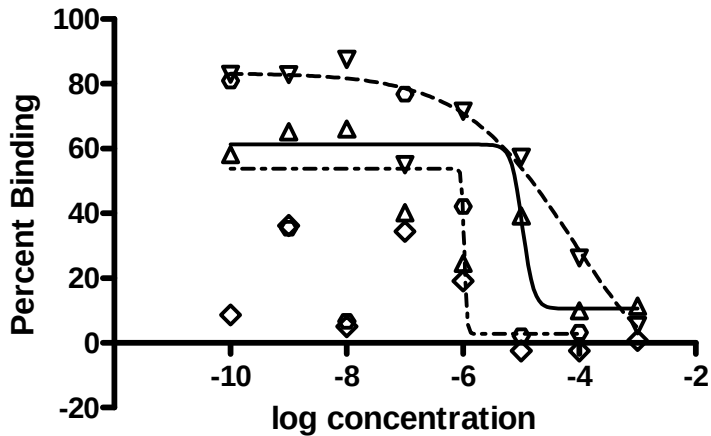
- △ TC 23 TTN015 WP (5/8) (blue)
- ▽ TC 23 RN009 WP (5/13) (blue)
- ◇ TC 23 RN012 WP (5/29)(yellow)
- TC 23 TTN018 WP (6/12) (blue)
- TC 23 TTN019 WP (6/16) (blue)
- TC 23 TTN015 WP (5/8) (blue)
- TC 23 RN009 WP (5/13) (blue)
- TC 23 RN012 WP (5/29)(yellow)
- TC 23 TTN018 WP (6/12) (blue)
- TC 23 TTN019 WP (6/16) (blue)

	TC 23 TTN015 WP (5/8) (blue)	TC 23 RN009 WP (5/13) (blue)	TC 23 RN012 WP (5/29)(yellow)	TC 23 TTN018 WP (6/12) (blue)	TC 23 TTN019 WP (6/16) (blue)
logC50					
Best-fit values					
Bottom	0.1911	-2.440	-51.37	1.560	-5.181
Top	97.63	91.73	101.9	102.4	97.22
LogC50	-5.911	-5.704	-5.606	-6.129	-6.131
HillSlope	-1.172	-1.098	-0.4922	-1.303	-0.8565
Std. Error					
Bottom	2.060	3.957	34.09	2.951	3.747
Top	1.844	3.420	3.527	2.190	2.409
LogC50	0.02600	0.04938	0.04662	0.03015	0.03298
HillSlope	0.1077	0.2231	0.1042	0.1555	0.09326
95% Confidence Intervals					
Bottom	-4.198 to 4.580	-10.79 to 5.908	-124.5 to 21.75	-4.815 to 7.934	-13.09 to 2.725
Top	93.70 to 101.6	84.51 to 98.94	94.28 to 109.4	97.66 to 107.1	92.14 to 102.3
LogC50	-5.966 to -5.855	-5.808 to -5.600	-5.706 to -5.506	-6.194 to -6.064	-6.201 to -6.061
HillSlope	-1.402 to -0.9426	-1.569 to -0.6275	-0.7156 to -0.2688	-1.639 to -0.9673	-1.053 to -0.6597
Goodness of Fit					
Degrees of Freedom	15	17	14	13	17
R ²	0.9918	0.9754	0.9896	0.9884	0.9878
Absolute Sum of Squares	229.8	714.1	198.9	310.5	311.0
Sy.x	3.914	6.481	3.769	4.887	4.277
Number of points					
Analyzed	19	21	18	17	21
Outliers (excluded, Q=1.0%)	2	2	0	2	0

log concentration	TC 23 TTN015 WP (5/8) (blue)			TC 23 RN009 WP (5/13) (blue)			TC 23 RN012 WP (5/29)(yellow)			TC 23 TTN018 WP (6/12) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-7.000	61.980	62.470										
-8.500				47.900	67.260							
-7.000										66.590		58.650

log concentration	TC 23 TTN015 WP (5/8) (blue)			TC 23 RN009 WP (5/13) (blue)			TC 23 RN012 WP (5/29)(yellow)			TC 23 TTN018 WP (6/12) (blue)			TC 23 TTN019 WP (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-4.00		2.79	1.90												
-4.50	0.18	1.98	1.98												
-5.00	24.88	16.50	33.40												
-6.00	59.60	52.69	56.64												
-6.50	81.23	81.44	81.75												
-7.00	61.98	62.47													
-7.50	94.40	93.29													
-8.50	95.29	102.93	99.45												
-4.00				-1.73	-0.94	-0.30									
-4.50				1.52	3.01	3.29									
-5.00				39.04	39.73	40.81									
-6.00				65.71	54.81	64.93									
-6.50				79.53	90.01	87.67									
-7.00				92.17	92.35	98.40									
-7.50				86.15	73.00	96.32									
-8.50				47.90	67.26										
-4.00							2.23	4.81	4.14						
-4.50							45.90	43.13	42.46						
-5.00							69.79		69.29						
-6.00							81.76	74.76	74.64						
-6.50								79.73	85.38						
-7.00									96.01						
-7.50							96.56								
-8.50							97.67	99.32	99.88						
-4.00										2.83	36.36	39.63			
-4.50										0.64	-0.01	0.16			
-5.00										19.51		20.04			
-6.00										36.40	35.39	40.62			
-6.50										78.64	77.64	75.50			
-7.00										66.59		58.65			
-7.50										103.51	103.63	102.80			
-8.50										90.52	106.34	101.29			
-4.00													39.66	39.66	39.66
-4.50													0.28	-0.02	-0.33
-5.00													17.96	19.44	18.42
-6.00													44.34	39.85	53.86
-6.50													60.57	68.71	68.23
-7.00													85.25	89.50	76.23
-7.50													89.43	93.32	91.18
-8.50													95.65	94.14	100.90

TRL TC 23 Acceptable



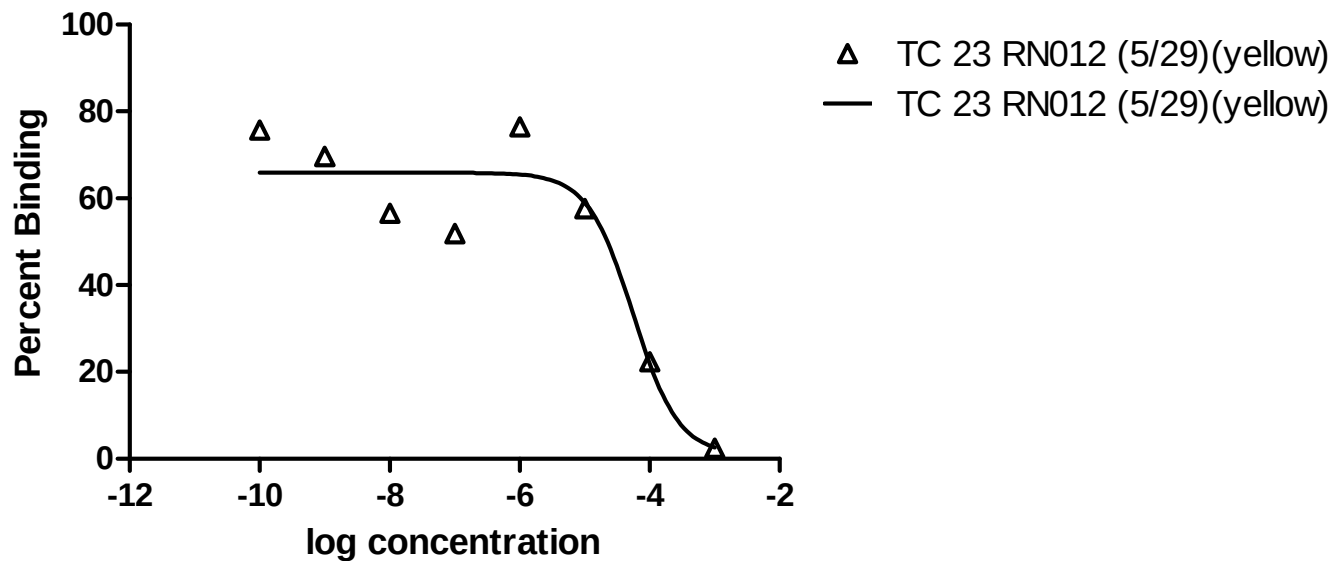
- ▲ TC 23 TTN015 (5/8) (blue)
- ▼ TC 23 RN009 (5/13) (blue)
- ◆ TC 23 TTN018 (6/12) (blue)
- TC 23 TTN019 (6/16) (blue)
- TC 23 TTN015 (5/8) (blue)
- - - TC 23 RN009 (5/13) (blue)
- · - TC 23 TTN019 (6/16) (blue)

	TC 23 TTN015 (5/8) (blue)	TC 23 RN009 (5/13) (blue)	TC 23 TTN018 (6/12) (blue)	TC 23 TTN019 (6/16) (blue)
logIC50	Ambiguous		Not converged	Ambiguous
Best-fit values				
Bottom	10.62	-19.56		2.820
Top	61.32	83.34		53.89
LogIC50	~ -5.093	-4.817		~ -6.028
HillSlope	~ -4.596	-0.4583		~ -20.18
Std. Error				
Bottom	3.246	27.27		14.22
Top	1.790	3.167		7.866
LogIC50	~ 22.99	0.1406		~ 1.478e+016
HillSlope	~ 1136	0.1537		~ 1.075e+019
95% Confidence Intervals				
Bottom	3.735 to 17.50	-76.63 to 37.51		-27.47 to 33.11
Top	57.52 to 65.11	76.71 to 89.96		37.13 to 70.65
LogIC50	(Very wide)	-5.111 to -4.523		(Very wide)
HillSlope	(Very wide)	-0.7801 to -0.1365		(Very wide)
Goodness of Fit				
Degrees of Freedom	16	19		15
R ²	0.9476	0.9363		0.4697
Absolute Sum of Squares	554.2	1216		10173
Sy x	5.886	8.000		26.04
Number of points				
Analyzed	20	23	23	19
Outliers (excluded, Q=1.0%)	4	1	0	0

log concentration	TC 23 TTN015 (5/8) (blue)			TC 23 RN009 (5/13) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3
-6.000		14.500	0.700			
-7.000	39.100		33.600			
-7.000						31.570

log concentration	TC 23 TTN015 (5/8) (blue)			TC 23 RN009 (5/13) (blue)			TC 23 TTN018 (6/12) (blue)			TC 23 TTN019 (6/16) (blue)		
	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3	Y1	Y2	Y3
-3.0000	9.7000	11.0000	13.3000									
-4.0000	10.4000	9.6000	9.7000									
-5.0000	40.9000	34.9000	42.0000									
-6.0000	58.4000	14.5000	0.7000									
-7.0000	39.1000	47.9000	33.6000									
-8.0000	65.9000	65.5000	66.7000									
-9.0000	59.3000	63.7000	72.6000									
-10.0000	63.4000	60.6000	50.5000									
-3.0000				5.1300	4.7800	6.0800						
-4.0000				25.0200	26.7500	26.9300						
-5.0000				67.5500	59.1500	45.4300						
-6.0000				71.3900	84.7700	58.5900						
-7.0000				61.6300	71.8400	31.5700						
-8.0000				85.0700	94.3500	83.1000						
-9.0000				84.0200	83.7800	80.7000						
-10.0000				83.2200	87.8900	77.6400						
-3.0000							0.2000	0.8000	1.1000			
-4.0000							-2.6000	-2.2000	-2.7000			
-5.0000							-2.1000	-2.6000	-2.8000			
-6.0000							7.7000	32.0000	17.8000			
-7.0000							20.5000	37.0000	45.9000			
-8.0000							7.3000	2.7000				
-9.0000							33.4000	41.0000	34.4000			
-10.0000							11.3000	7.5000	7.2000			
-3.0000										55.6	55.2	56.4
-4.0000										5.6	1.9	2.2
-5.0000										0.5		3.9
-6.0000										49.7	34.1	42.6
-7.0000										75.7	82.2	72.6
-8.0000										10.3	2.9	
-9.0000										39.8	29.5	36.9
-10.0000										98.9	63.5	80.5

TRL TC 23 Unacceptable



	TC 23 RN012 (5/29)(yellow)
logIC50	
Best-fit values	
Bottom	0.8635
Top	65.89
LogIC50	-4.648
HillSlope	-1.245
Std. Error	
Bottom	8.201
Top	2.975
LogIC50	0.2450
HillSlope	0.5734
95% Confidence Intervals	
Bottom	-16.24 to 17.97
Top	59.69 to 72.10
LogIC50	-5.159 to -4.137
HillSlope	-2.441 to -0.04887
Goodness of Fit	
Degrees of Freedom	20
R ²	0.8385
Absolute Sum of Squares	2508
Sy x	11.20
Number of points	
Analyzed	24
Outliers (excluded, Q=1.0%)	0

log concentration	TC 23 RN012 (5/29)(yellow)		
	Y1	Y2	Y3
-3.00	1.40	3.80	2.20
-4.00	21.70	23.50	21.80
-5.00	53.40	58.40	61.10
-6.00	77.30	71.30	80.70
-7.00	56.00	41.10	58.50
-8.00	53.00	54.70	62.00
-9.00	50.60	80.00	78.40
-10.00	67.90	76.50	82.70