

CompuSyn Report

Experiment Name: 375combination
Date: 2017/9/13
File Name: C:\Users\»¶\»¶\Desktop\375.cse
Description

Drug: vemurafenib (6) [uM/L]
Drug: GSK126 (6) [uM/L]
Drug Combo: combination (5) (6+6 [1:12])

Data for Drug: 6 [uM/L]

Dose Effect

0.6 0.046

0.8 0.079

1.0 0.232

1.2 0.36

1.6 0.618

2.0 0.963

6 data points entered.

X-int: 0.09606

Y-int: -0.4726 +/- 0.12886

m: 4.91949 +/- 0.71085

Dm: 1.24755

r: 0.96069

Data for Drug: 6 [uM/L]

Dose Effect

2.0 0.055

4.0 0.0949

6.0 0.1682

8.0 0.2226

10.0 0.4087

12.0 0.7033

6 data points entered.

X-int: 1.06809

Y-int: -1.9815 +/- 0.32241

m: 1.85520 +/- 0.39297

Dm: 11.6975

r: 0.92078

Data for Drug Combo: 5 (6+6 [1:12])

Dose A Effect

0.4+ 0.3796

0.6+ 0.5361

0.8+ 0.6949

1.0+ 0.7718

1.2+ 0.8888

5 data points entered.

X-int: 0.83955

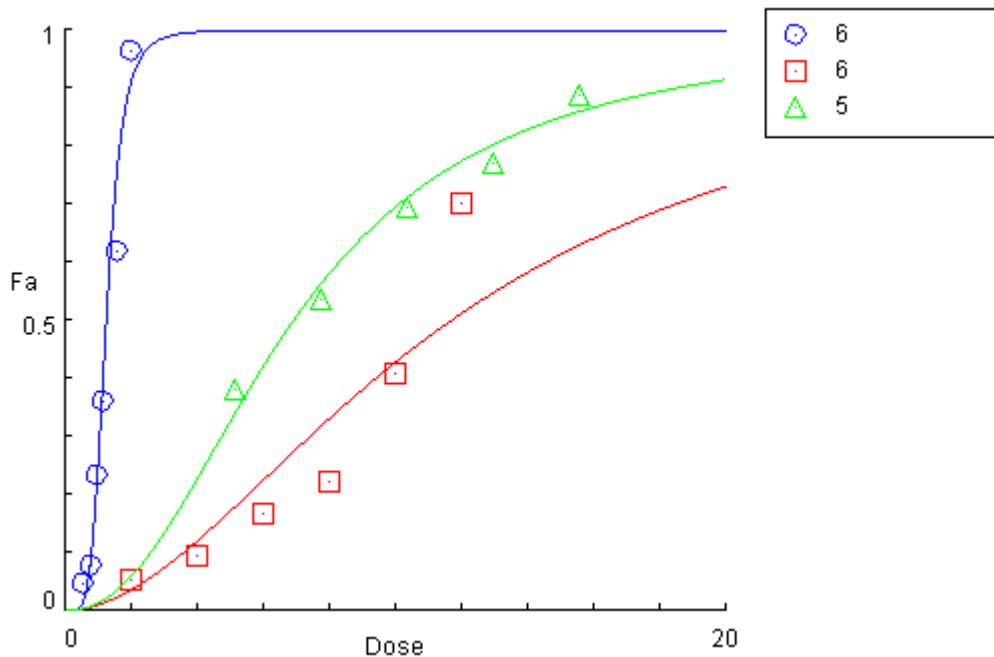
Y-int: -1.8734 +/- 0.25740

m: 2.23147 +/- 0.25722

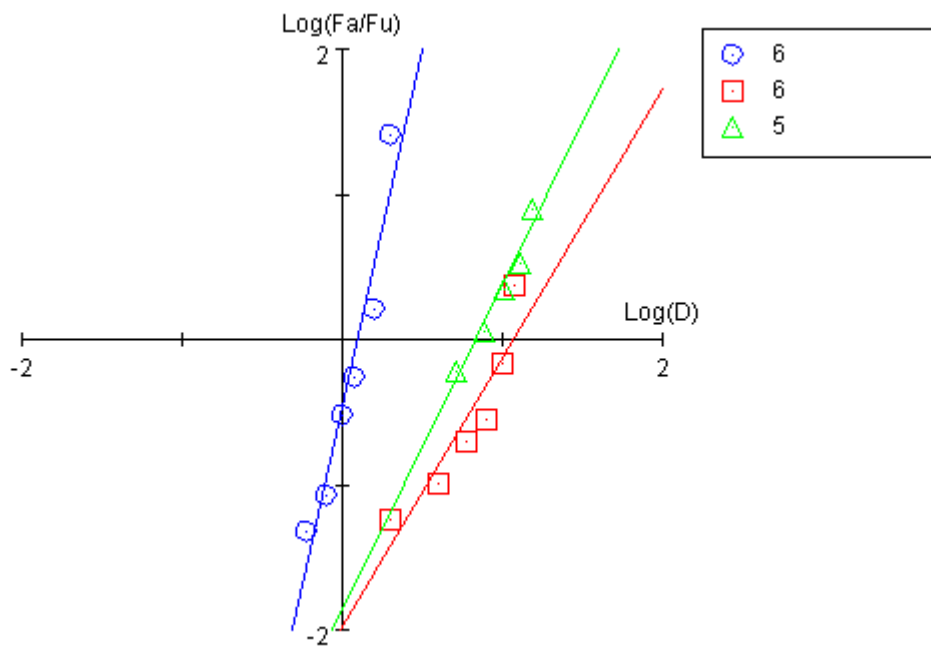
Dm: 6.91122

r: 0.98065

Dose-Effect Curve



Median-Effect Plot



CI Data for Drug Combo: 5 (6+6 [1:12])

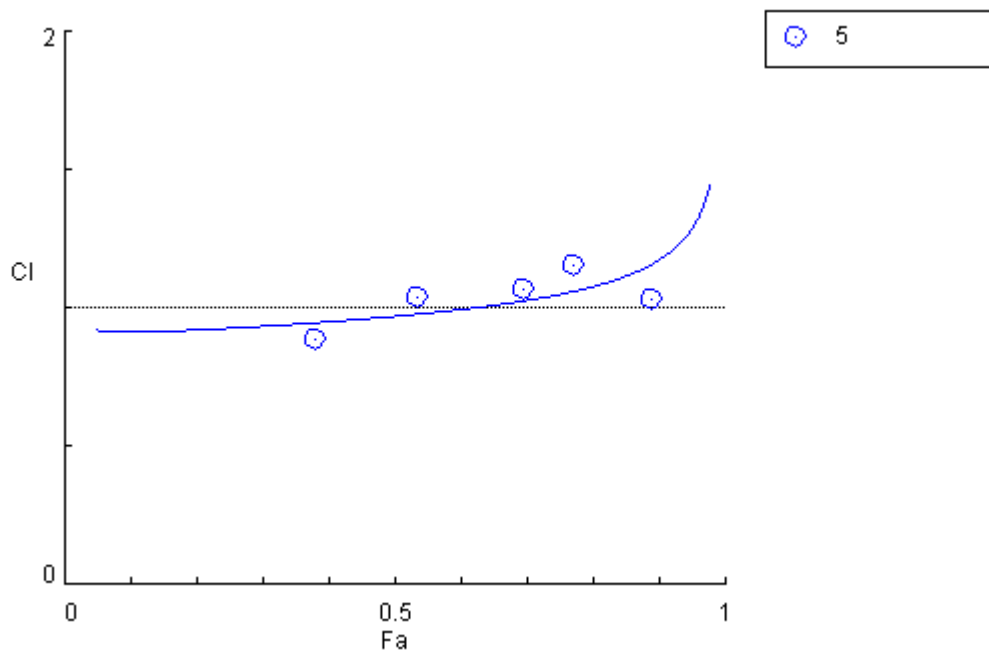
Fa	CI Value	Total Dose
0.05	0.91995	1.84714

0.1	0.91476	2.58181
0.15	0.91719	3.17660
0.2	0.92210	3.71322
0.25	0.92828	4.22416
0.3	0.93534	4.72772
0.35	0.94315	5.23692
0.4	0.95172	5.76291
0.45	0.96113	6.31684
0.5	0.97153	6.91122
0.55	0.98313	7.56154
0.6	0.99627	8.28834
0.65	1.01143	9.12082
0.7	1.02935	10.1032
0.75	1.05123	11.3076
0.8	1.07920	12.8635
0.85	1.11749	15.0365
0.9	1.17647	18.5006
0.95	1.29367	25.8589
0.97	1.39583	32.8158

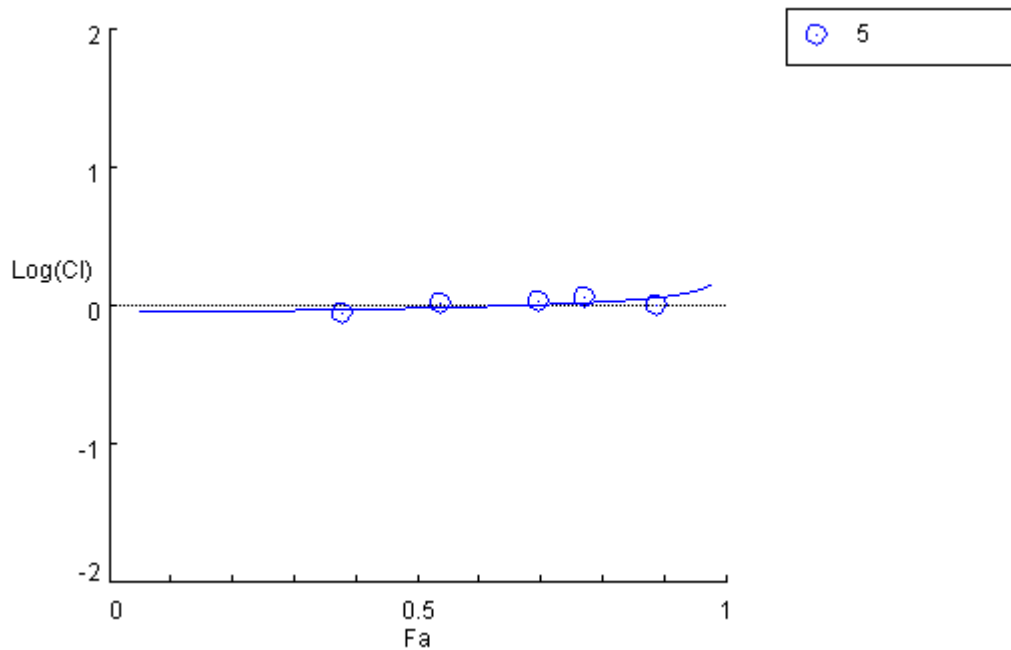
CI values for actual experimental points:

Total Dose	Fa	CI Value
5.2	0.3796	0.88905
7.8	0.5361	1.03636
10.4	0.6949	1.06907
13.0	0.7718	1.15763
15.6	0.8888	1.03193

Combination Index Plot



Logarithmic Combination Index Plot



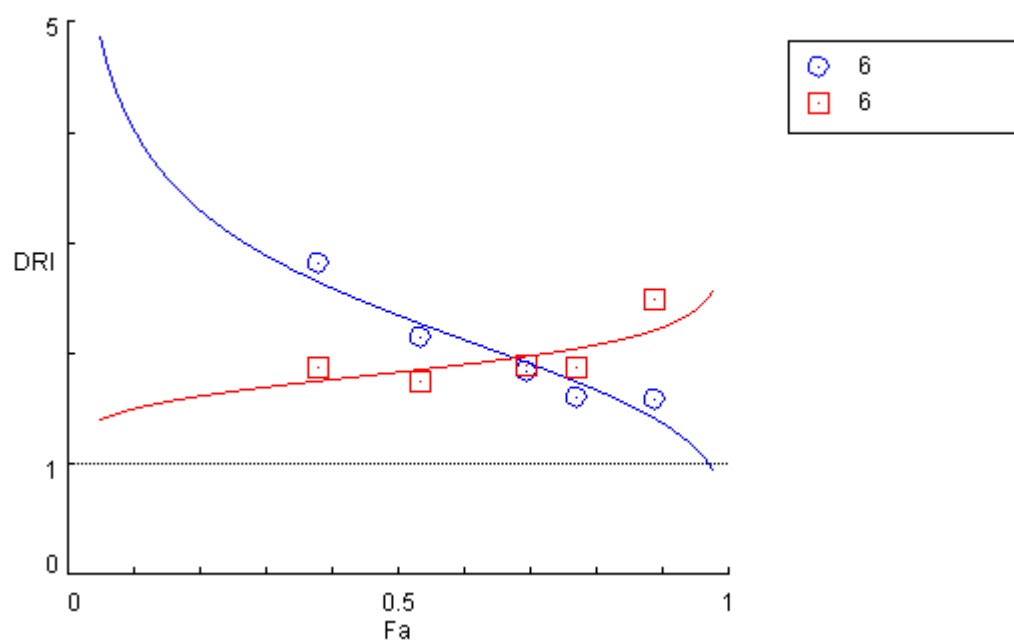
DRI Data for Drug Combo: 5 (6+6 [1:12])

Fa	Dose 6	Dose 6	DRI 6	DRI 6
0.05	0.68568	2.39227	4.82574	1.40305
0.1	0.79815	3.57874	4.01887	1.50165
0.15	0.87685	4.59228	3.58845	1.56613
0.2	0.94118	5.54072	3.29509	1.61651
0.25	0.99786	6.47010	3.07096	1.65933
0.3	1.05016	7.40871	2.88768	1.69767
0.35	1.10004	8.37871	2.73071	1.73326
0.4	1.14885	9.40099	2.59157	1.76723
0.45	1.19768	10.4982	2.46482	1.80043
0.5	1.24755	11.6975	2.34663	1.83357
0.55	1.29949	13.0337	2.23411	1.86732
0.6	1.35473	14.5549	2.12484	1.90241
0.65	1.41484	16.3307	2.01658	1.93970
0.7	1.48203	18.4689	1.90696	1.98036
0.75	1.55971	21.1481	1.79315	2.02611
0.8	1.65363	24.6954	1.67118	2.07979
0.85	1.77496	29.7957	1.53456	2.14668
0.9	1.94997	38.2342	1.37021	2.23887
0.95	2.26983	57.1968	1.14111	2.39620
0.97	2.52888	76.1782	1.00182	2.51484

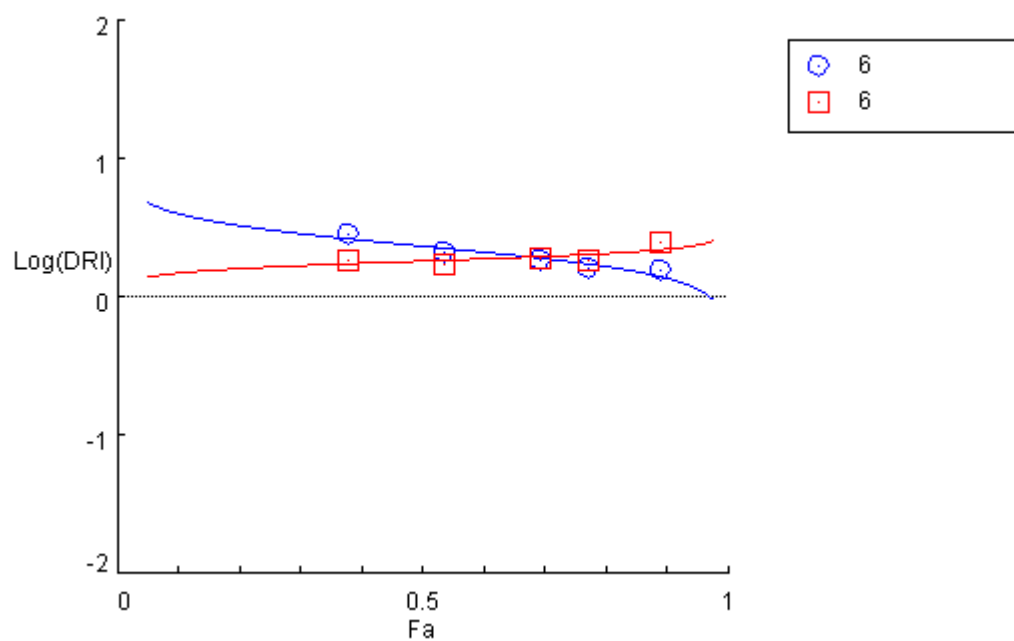
DRI values calculated at experimental points

Fa	Dose 6	Dose 6	DRI 6	DRI 6
0.3796	1.12899	8.97620	2.82247	1.87004
0.5361	1.28477	12.6460	2.14129	1.75639
0.6949	1.47477	18.2298	1.84346	1.89894
0.7718	1.59818	22.5599	1.59818	1.87999
0.8888	1.90349	35.8648	1.58624	2.49061

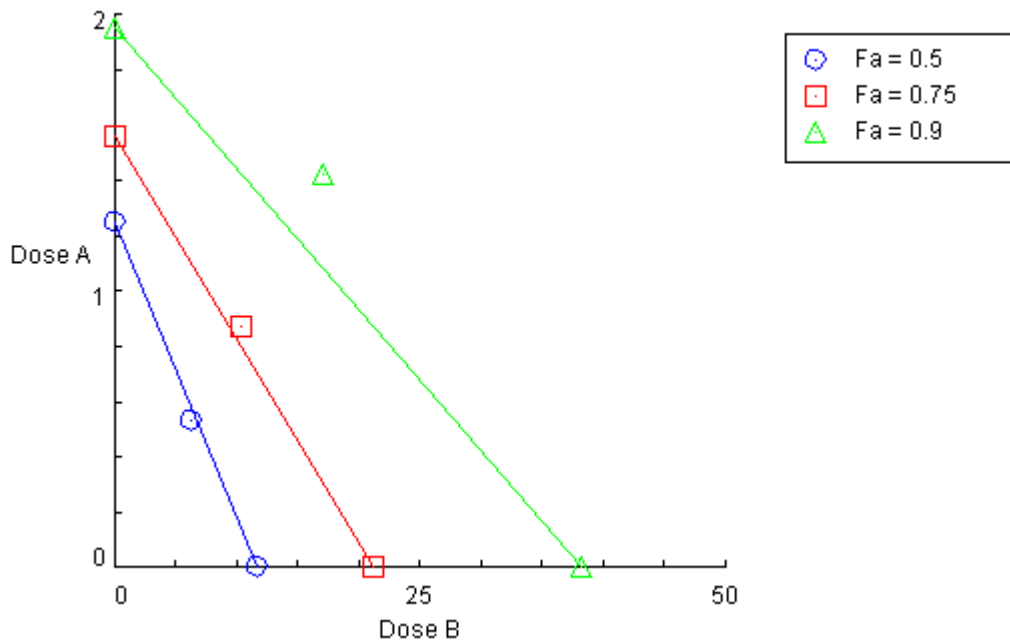
DRI Plot for Combo: 5 (6+6 [1:12])



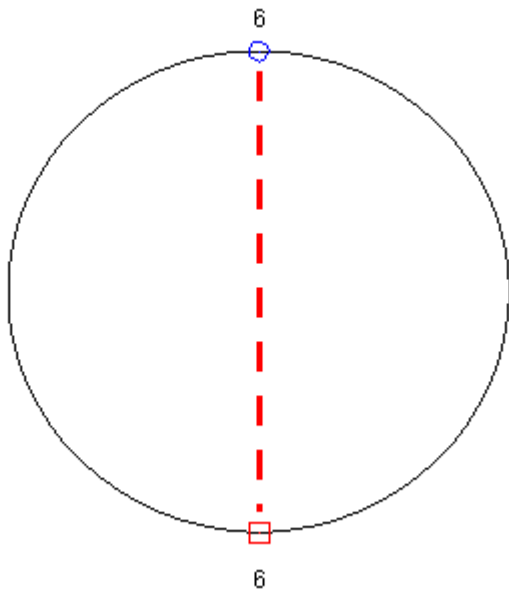
Log(DRI) Plot for Combo: 5 (6+6 [1:12])



Isobologram for Combo: 5 (6+6 [1:12])



Polygonogram at Fa = 0.9



Summary Table

Experiment Name: 375combination
Date: 2017/9/13
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Description

Drug: vemurafenib (6) [uM/L]
Drug: GSK126 (6) [uM/L]
Drug Combo: combination (5) (6+6 [1:12])

Drug/Combo	Dm	m	r
6	1.24755	4.91949	0.96069
6	11.6975	1.85520	0.92078
5	6.91122	2.23147	0.98065

CI values at:

Combo	ED50	ED75	ED90	ED95
5	0.97153	1.05123	1.17647	1.29367

Data for Fa = 0.5

Drug/Combo	CI value	Dose 6	Dose 6
6		1.24755	
6			11.6975
5	0.97153	0.53163	6.37959

Data for Fa = 0.75

Drug/Combo	CI value	Dose 6	Dose 6
6		1.55971	
6			21.1481
5	1.05123	0.86981	10.4378

Data for Fa = 0.9

Drug/Combo	CI value	Dose 6	Dose 6
6		1.94997	
6			38.2342
5	1.17647	1.42312	17.0774

Data for Fa = 0.95

Drug/Combo	CI value	Dose 6	Dose 6
6		2.26983	
6			57.1968
5	1.29367	1.98915	23.8697

Data for Fa = 0.97

Drug/Combo	CI value	Dose 6	Dose 6
6		2.52888	
6			76.1782
5	1.39583	2.52429	30.2915