

CompuSyn Report

Experiment Name: SK5-LIANHE
Date: 2017/9/13
File Name: C:\Users\»»»\Desktop\SK-5.cse
Description: COMBINATION

Drug: vemurafenib (6) [uM/L]
Drug: GSK126 (6) [uM/L]
Drug Combo: combination (6) (6+6 [1:7])

Data for Drug: 6 [uM/L]

Dose Effect

0.6	0.068
0.8	0.18
1.0	0.189
1.2	0.232
1.6	0.446
2.0	0.653

6 data points entered.

X-int: 0.22985

Y-int: -0.5713 +/- 0.05119

m: 2.48537 +/- 0.28240

Dm: 1.69764

r: 0.97514

Data for Drug: 6 [uM/L]

Dose Effect

2.0	0.09
4.0	0.338
6.0	0.416
8.0	0.585
10.0	0.741
12.0	0.882

6 data points entered.

X-int: 0.77460

Y-int: -1.7092 +/- 0.19536

m: 2.20659 +/- 0.23811

Dm: 5.95110

r: 0.97749

Data for Drug Combo: 6 (6+6 [1:7])

Dose A Effect

0.6+	0.439
0.8+	0.526
1.0+	0.717
1.2+	0.8599

1.6+ 0.9497

2.0+ 0.9773

6 data points entered.

X-int: 0.75678

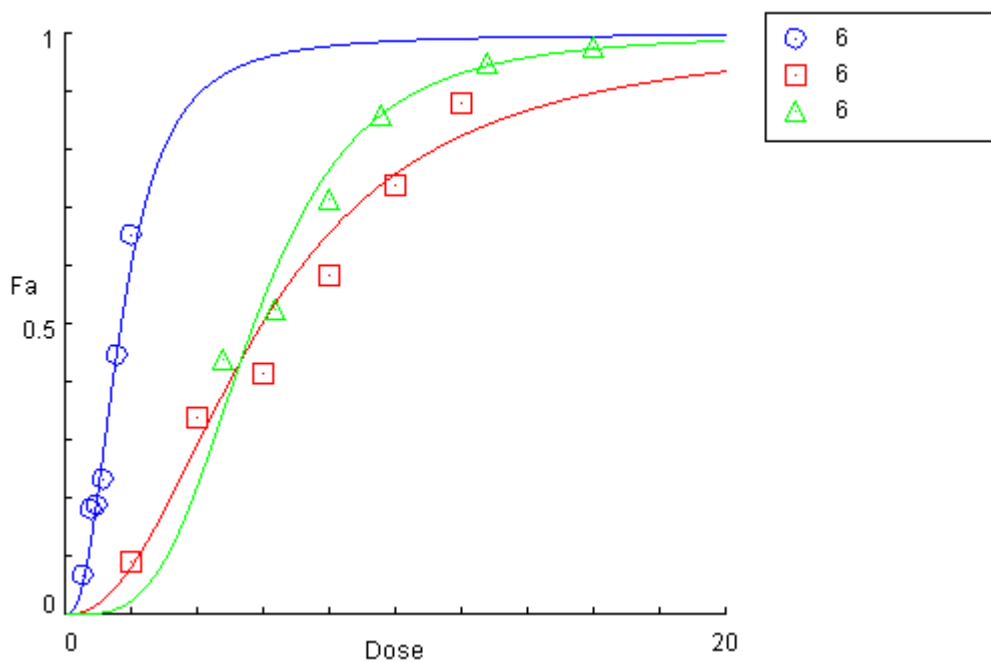
Y-int: -2.6741 +/- 0.27323

m: 3.53355 +/- 0.28358

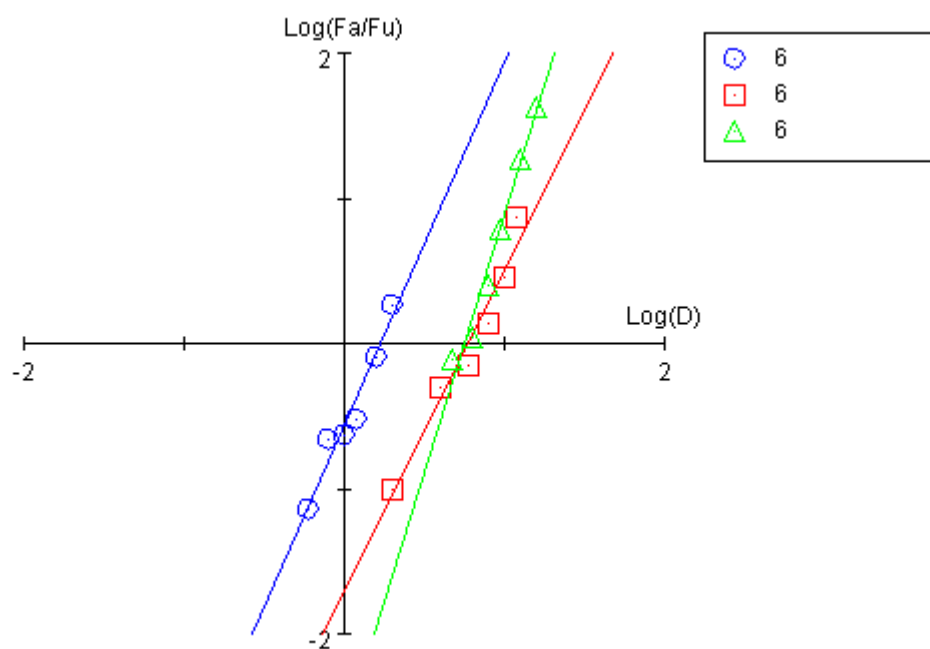
Dm: 5.71183

r: 0.98736

Dose-Effect Curve



Median-Effect Plot



CI Data for Drug Combo: 6 (6+6 [1:7])

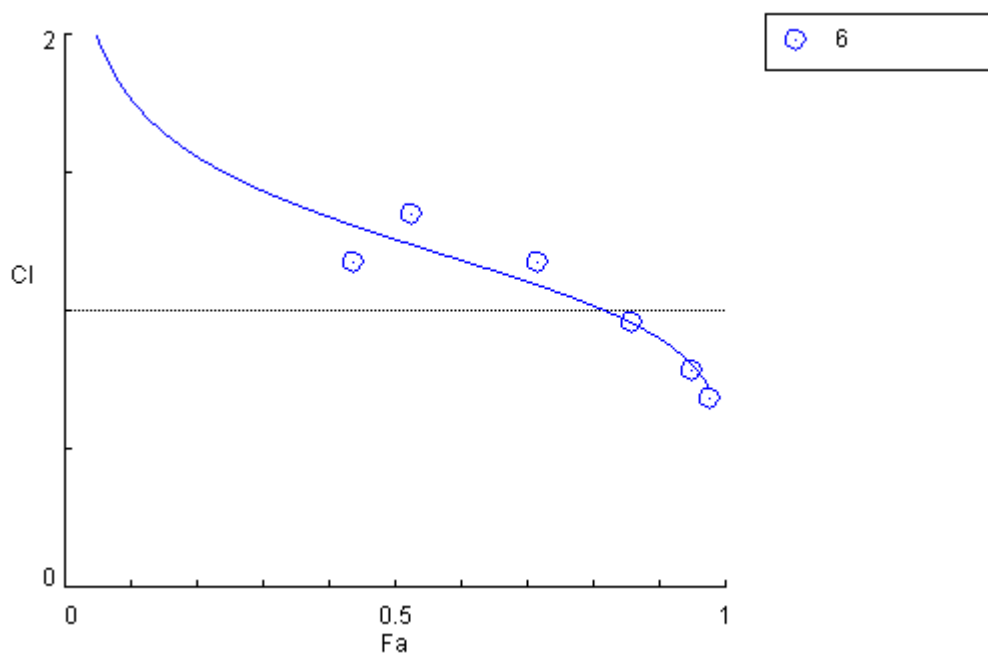
Fa CI Value Total Dose

0.05	1.98383	2.48248
0.1	1.76731	3.06707
0.15	1.64553	3.49609
0.2	1.55953	3.85826
0.25	1.49198	4.18552
0.3	1.43542	4.49404
0.35	1.38595	4.79393
0.4	1.34124	5.09262
0.45	1.29976	5.39649
0.5	1.26039	5.71183
0.55	1.22224	6.04559
0.6	1.18453	6.40633
0.65	1.14646	6.80548
0.7	1.10716	7.25961
0.75	1.06549	7.79474
0.8	1.01976	8.45589
0.85	0.96707	9.33186
0.9	0.90137	10.6372
0.95	0.80476	13.1421
0.97	0.74255	15.2760

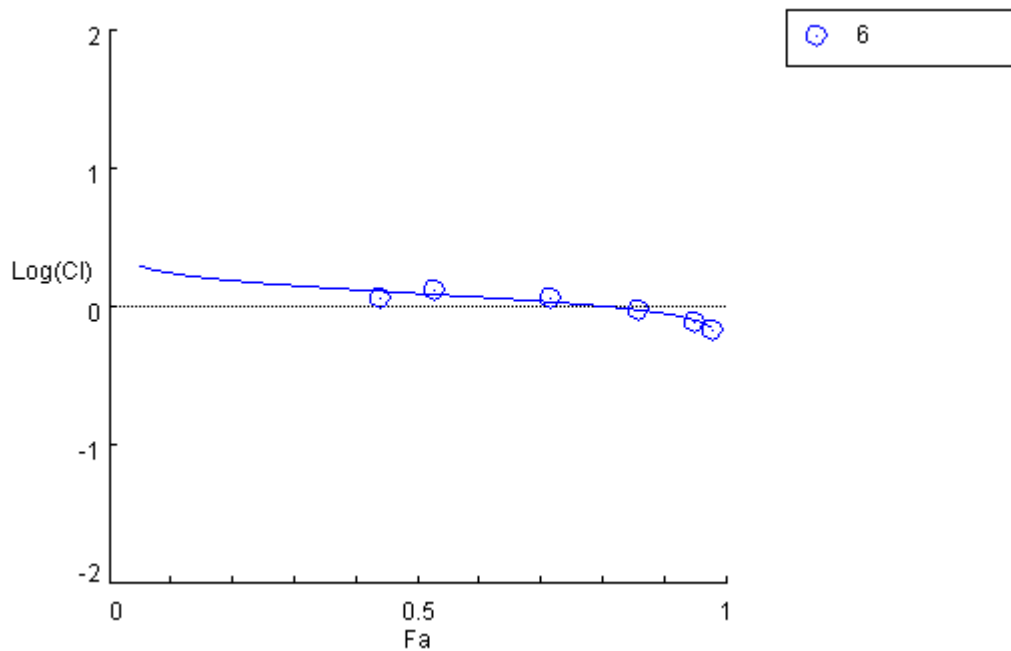
CI values for actual experimental points:

Total Dose	Fa	CI Value
4.8	0.439	1.17879
6.4	0.526	1.34956
8.0	0.717	1.17709
9.6	0.8599	0.96087
12.8	0.9497	0.78596
16.0	0.9773	0.68684

Combination Index Plot



Logarithmic Combination Index Plot



DRI Data for Drug Combo: 6 (6+6 [1:7])

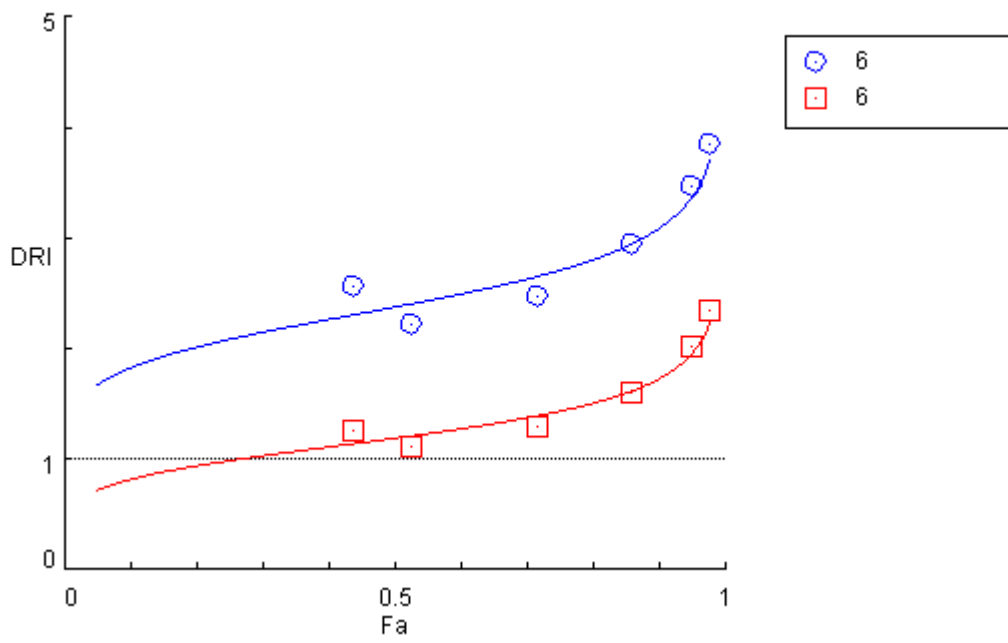
Fa	Dose 6	Dose 6	DRI 6	DRI 6
0.05	0.51920	1.56704	1.67316	0.72142
0.1	0.70130	2.19860	1.82923	0.81925
0.15	0.84478	2.71142	1.93308	0.88635
0.2	0.97186	3.17505	2.01513	0.94048
0.25	1.09112	3.61719	2.08552	0.98767
0.3	1.20723	4.05354	2.14903	1.03083
0.35	1.32335	4.49531	2.20838	1.07167
0.4	1.44210	4.95216	2.26539	1.11134
0.45	1.56596	5.43377	2.32145	1.15075
0.5	1.69764	5.95110	2.37772	1.19073
0.55	1.84040	6.51767	2.43536	1.23210
0.6	1.99847	7.15154	2.49562	1.27580
0.65	2.17780	7.87834	2.56005	1.32302
0.7	2.38728	8.73695	2.63075	1.37543
0.75	2.64130	9.79090	2.71086	1.43553
0.8	2.96543	11.1543	2.80556	1.50757
0.85	3.41155	13.0616	2.92464	1.59963
0.9	4.10951	16.1083	3.09067	1.73066
0.95	5.55085	22.6002	3.37897	1.96535
0.97	6.87482	28.7576	3.60033	2.15147

DRI values calculated at experimental points

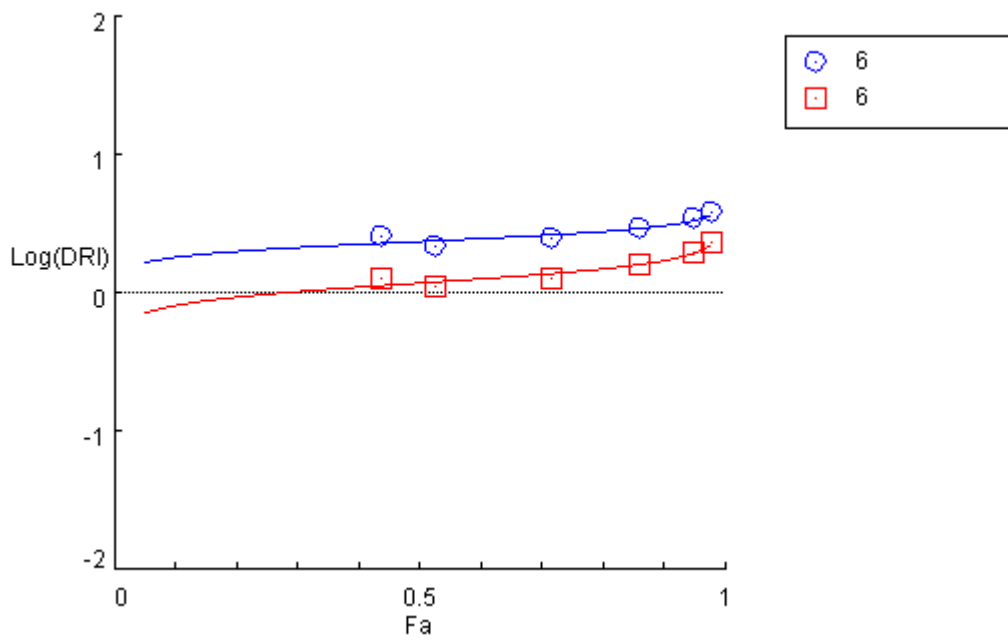
Fa	Dose 6	Dose 6	DRI 6	DRI 6
0.439	1.53814	5.32517	2.56357	1.26790
0.526	1.77025	6.23856	2.21282	1.11403
0.717	2.46769	9.06909	2.46769	1.29558
0.8599	3.52295	13.5430	2.93579	1.61226
0.9497	5.53680	22.5358	3.46050	2.01213

0.9773 7.71427 32.7422 3.85714 2.33873

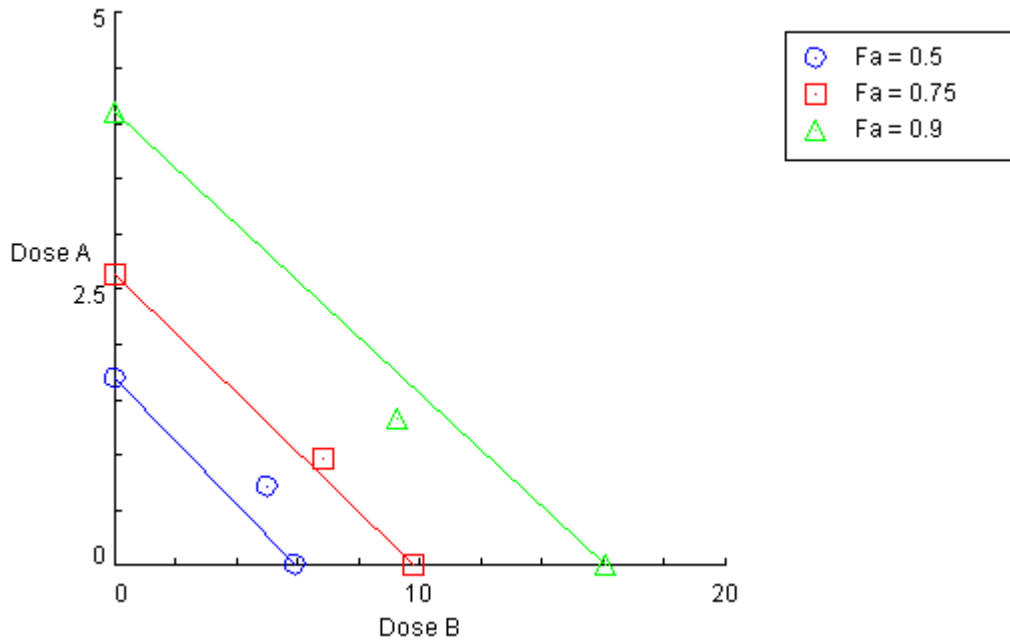
DRI Plot for Combo: 6 (6+6 [1:7])



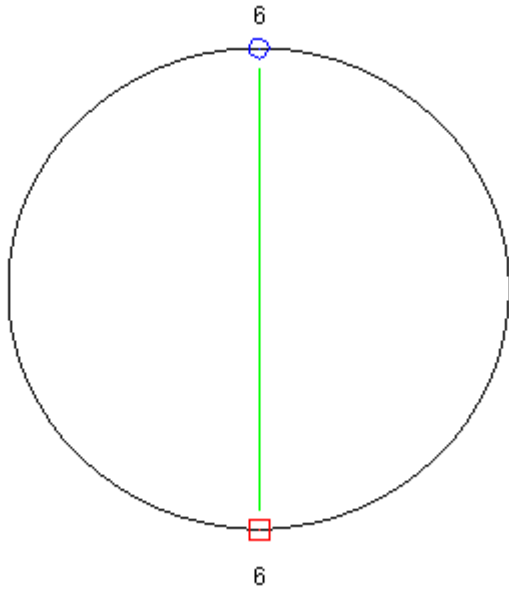
Log(DRI) Plot for Combo: 6 (6+6 [1:7])



Isobologram for Combo: 6 (6+6 [1:7])



Polygonogram at Fa = 0.9



Summary Table

Experiment Name: SK5-LIANHE
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Description: COMBINATION

Drug: vemurafenib (6) [uM/L]
Drug: GSK126 (6) [uM/L]
Drug Combo: combination (6) (6+6 [1:7])

Drug/Combo	Dm	m	r
6	1.69764	2.48537	0.97514
6	5.95110	2.20659	0.97749
6	5.71183	3.53355	0.98736

CI values at:

Combo	ED50	ED75	ED90	ED95
6	1.26039	1.06549	0.90137	0.80476

Data for Fa = 0.5

Drug/Combo	CI value	Dose 6	Dose 6
6		1.69764	
6			5.95110
6	1.26039	0.71398	4.99785

Data for Fa = 0.75

Drug/Combo	CI value	Dose 6	Dose 6
6		2.64130	
6			9.79090
6	1.06549	0.97434	6.82039

Data for Fa = 0.9

Drug/Combo	CI value	Dose 6	Dose 6
6		4.10951	
6			16.1083
6	0.90137	1.32965	9.30755

Data for Fa = 0.95

Drug/Combo	CI value	Dose 6	Dose 6
6		5.55085	
6			22.6002
6	0.80476	1.64276	11.4993

Data for Fa = 0.97

Drug/Combo	CI value	Dose 6	Dose 6
6		6.87482	
6			28.7576
6	0.74255	1.90950	13.3665