

CompuSyn Report

Experiment Name: kh. nasirzadeh
Date: 2017
File Name: C:\Users\sng\Desktop\kh. nasirzadeh\analyzed\PacCin24h.cse
Description: paclitaxel + cinaroprecrin on kyse30 cell line, after 24h treatment analyzed by N. Goftari
Drug: paclitaxel (pac) [uM]
Drug: cinaroprecrin (cin) [uM]
Drug Combo: paclitaxel and cinaroprecrin (PacCin) (pac+cin [1:7.7])

Data for Drug: pac [uM]

Dose	Effect
5.62	0.901
7.49	0.723
9.36	0.546
11.23	0.241
13.1	0.069

5 data points entered.

X-int: 0.94632

Y-int: 5.16959 +/- 0.61679

m: -5.4629 +/- 0.64153

Dm: 8.83722

r: -0.9799

Data for Drug: cin [uM]

Dose	Effect
43.3	0.825
57.74	0.72
72.17	0.491
86.61	0.296
101.04	0.102

5 data points entered.

X-int: 1.82786

Y-int: 7.82504 +/- 1.12668

m: -4.2810 +/- 0.61091

Dm: 67.2755

r: -0.9708

Data for Drug Combo: PacCin (pac+cin [1:7.7])

Dose A	Effect
5.62+	0.233
7.49+	0.147
9.36000+	0.035
11.23+	0.023
13.1000+	0.0084

5 data points entered.

X-int: 1.59353

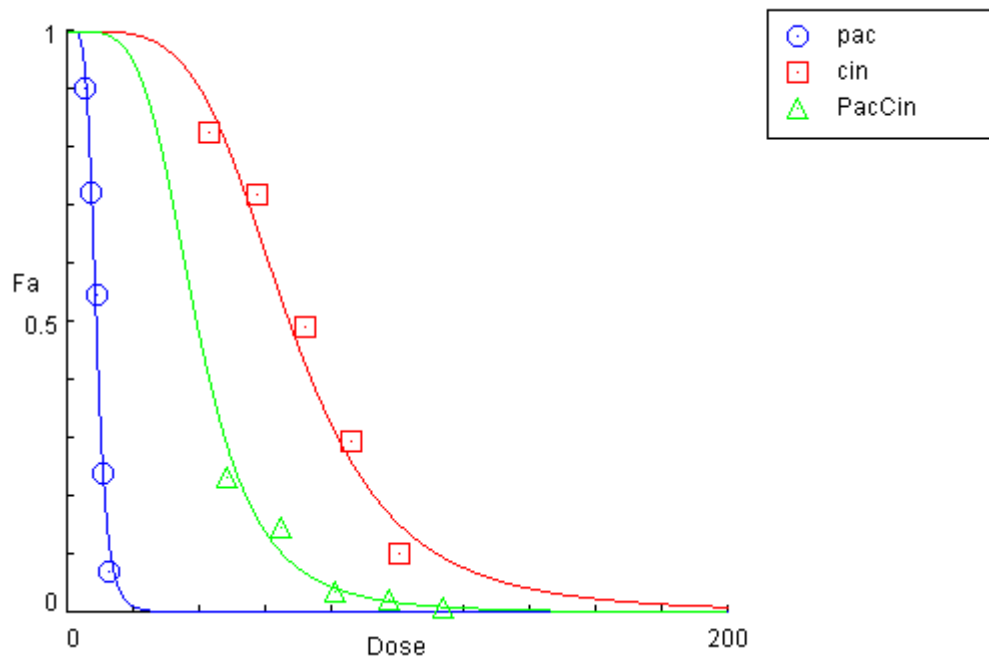
Y-int: 6.85386 +/- 0.94838

m: -4.3010 +/- 0.50004

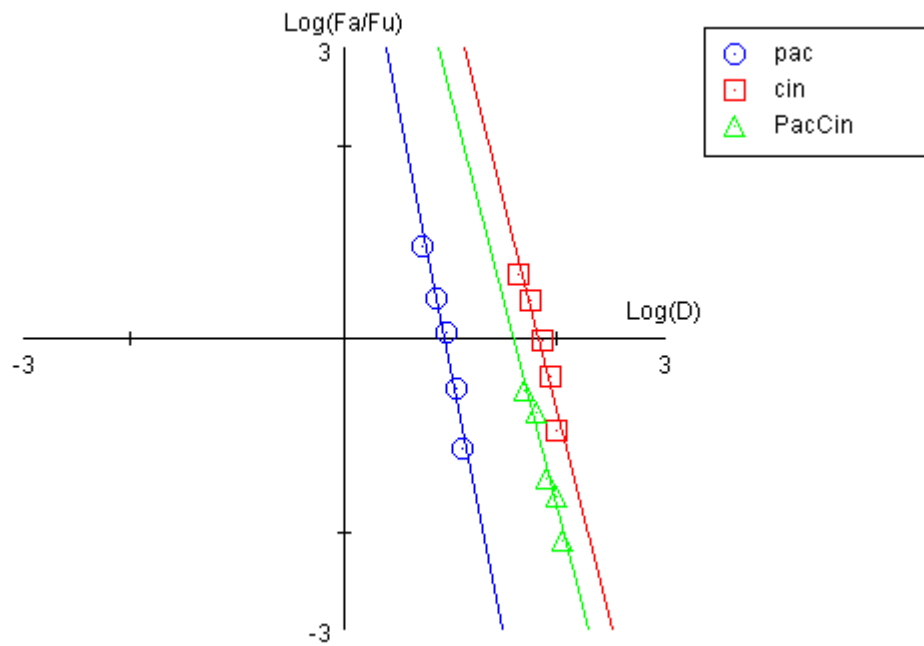
Dm: 39.2224

r: -0.9803

Dose-Effect Curve



Median-Effect Plot



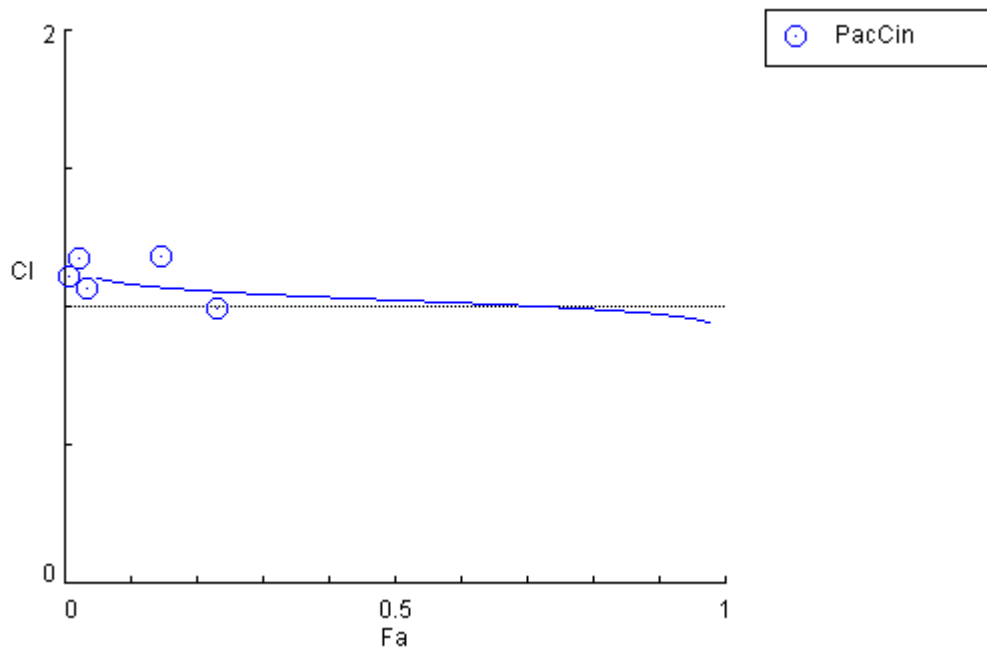
CI Data for Drug Combo: PacCin (pac+cin [1:7.7])

Fa	CI Value	Total Dose
0.05	1.10445	77.7762
0.1	1.08347	65.3729
0.15	1.07087	58.7063
0.2	1.06157	54.1395
0.25	1.05401	50.6368
0.3	1.04750	47.7628
0.35	1.04166	45.2941
0.4	1.03625	43.0999
0.45	1.03113	41.0958
0.5	1.02615	39.2224
0.55	1.02123	37.4345
0.6	1.01625	35.6938
0.65	1.01112	33.9647
0.7	1.00570	32.2092
0.75	0.99980	30.3811
0.8	0.99313	28.4155
0.85	0.98519	26.2050
0.9	0.97487	23.5327
0.95	0.95869	19.7798
0.97	0.94754	17.4799

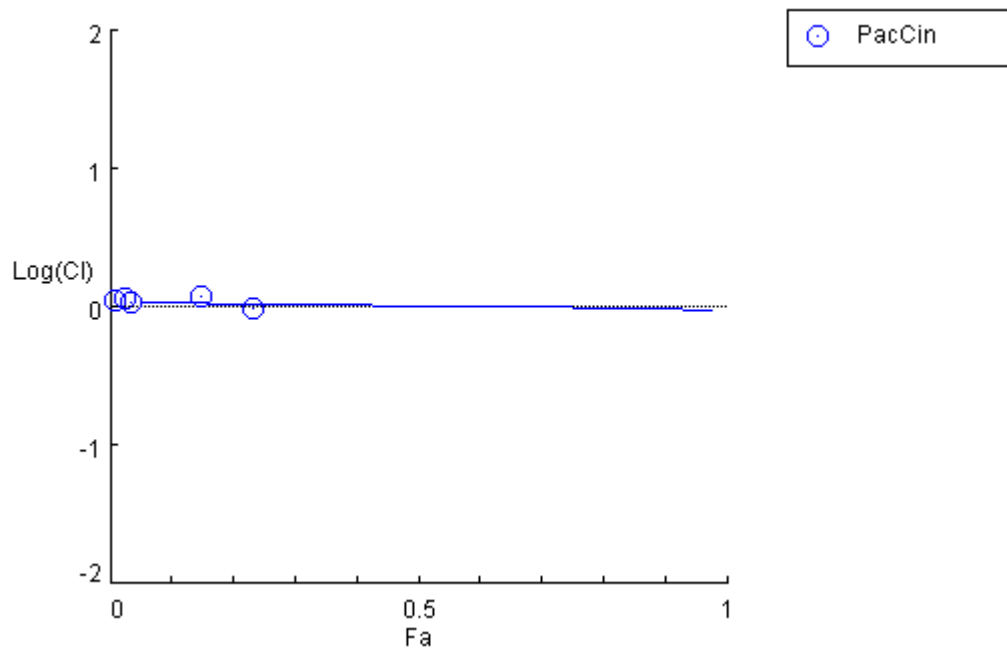
CI values for actual experimental points:

Total Dose	Fa	CI Value
48.894	0.233	0.99830
65.163	0.147	1.18281
81.432	0.035	1.07080
97.701	0.023	1.17518
113.97	0.0084	1.11087

Combination Index Plot



Logarithmic Combination Index Plot



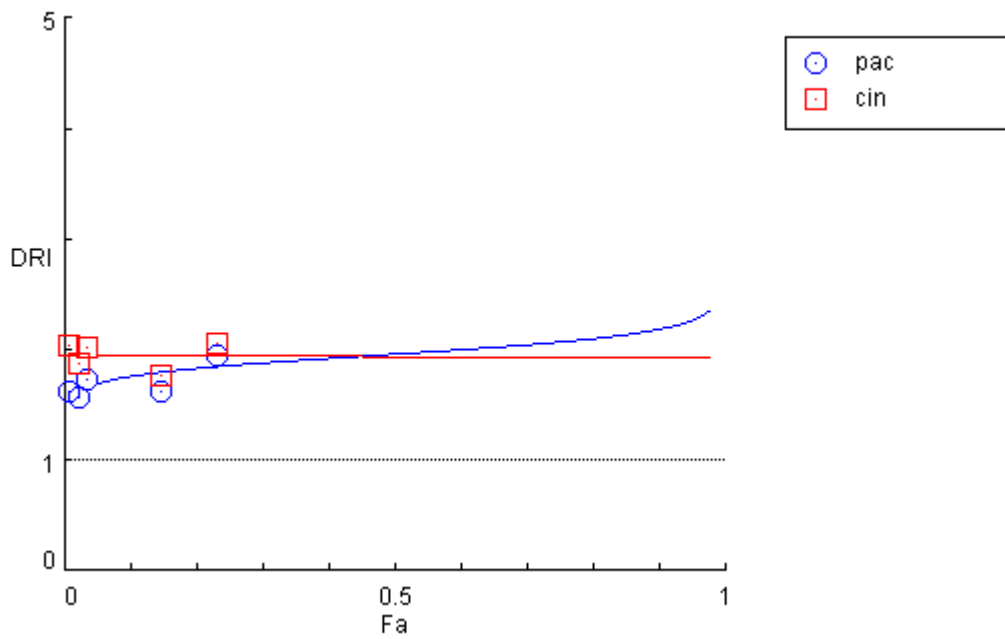
DRI Data for Drug Combo: PacCin (pac+cin [1:7.7])

Fa	Dose pac	Dose cin	DRI pac	DRI cin
0.05	15.1495	133.833	1.69461	1.94421
0.1	13.2128	112.398	1.75839	1.94263
0.15	12.1399	100.885	1.79908	1.94165
0.2	11.3900	93.0020	1.83033	1.94091
0.25	10.8058	86.9577	1.85656	1.94031
0.3	10.3199	81.9998	1.87977	1.93978
0.35	9.89758	77.7421	1.90111	1.93929
0.4	9.51810	73.9588	1.92129	1.93884
0.45	9.16788	70.5041	1.94085	1.93841
0.5	8.83722	67.2755	1.96020	1.93799
0.55	8.51849	64.1947	1.97975	1.93756
0.6	8.20506	61.1961	1.99990	1.93713
0.65	7.89046	58.2180	2.02113	1.93668
0.7	7.56756	55.1951	2.04407	1.93620
0.75	7.22731	52.0482	2.06963	1.93567
0.8	6.85656	48.6655	2.09928	1.93506
0.85	6.43303	44.8628	2.13575	1.93433
0.9	5.91068	40.2675	2.18517	1.93335
0.95	5.15507	33.8183	2.26742	1.93178
0.97	4.67700	29.8687	2.32782	1.93066

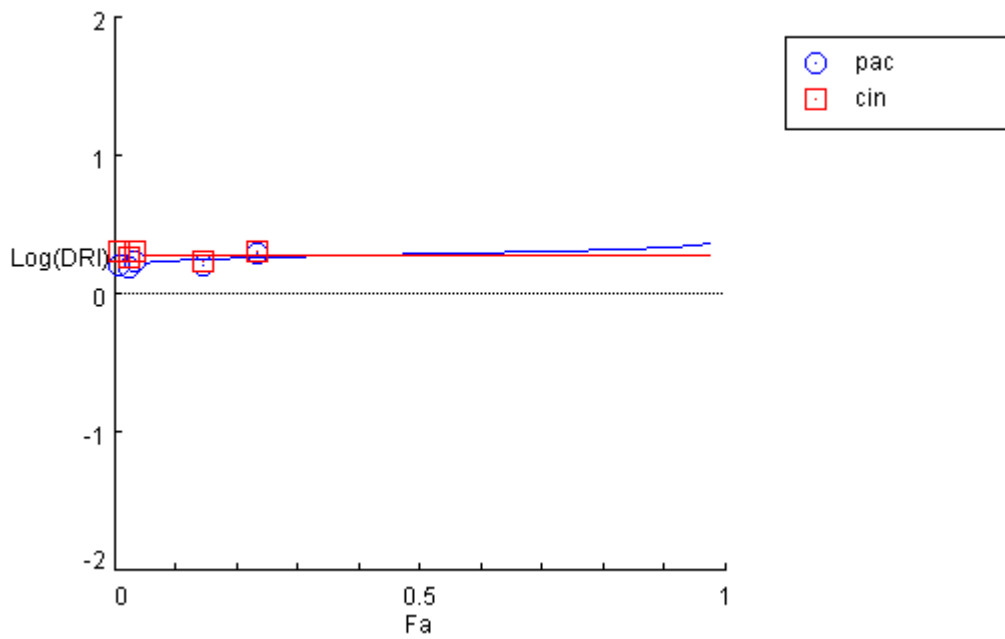
DRI values calculated at experimental points

Fa	Dose pac	Dose cin	DRI pac	DRI cin
0.233	10.9910	88.8640	1.95569	2.05352
0.147	12.1928	101.446	1.62787	1.75898
0.035	16.2180	145.994	1.73270	2.02567
0.023	17.5533	161.503	1.56307	1.86772
0.0084	21.1648	205.055	1.61564	2.03286

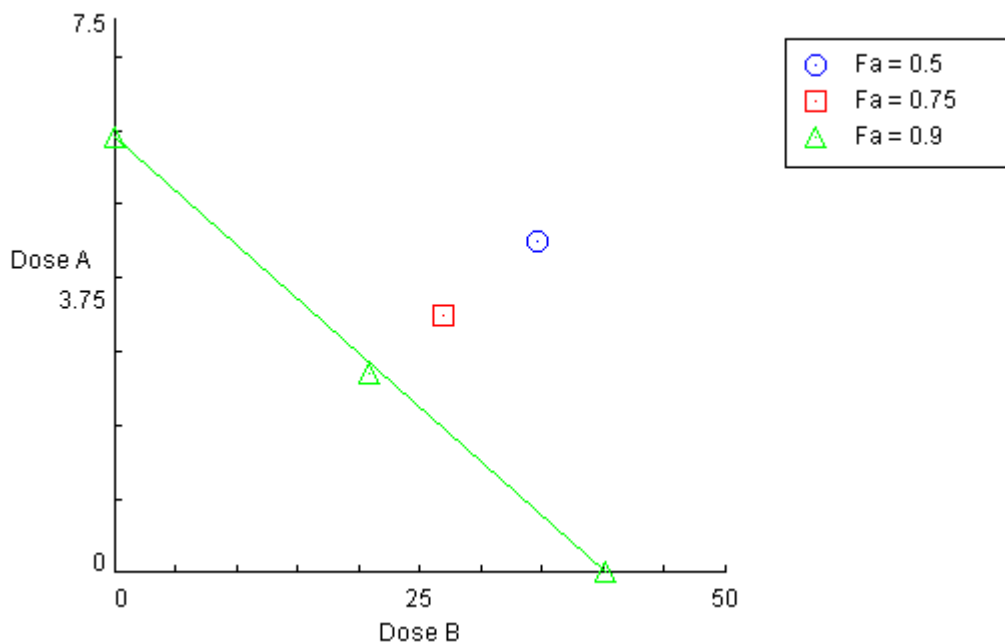
DRI Plot for Combo: PacCin (pac+cin [1:7.7])



Log(DRI) Plot for Combo: PacCin (pac+cin [1:7.7])



Isobologram for Combo: PacCin (pac+cin [1:7.7])



Summary Table

Experiment Name:	kh. nasirzadeh
Date:	2017
File Name:	C:\Users\sng\Desktop\kh. nasirzadeh\analyzed\PacCin24h.cse
Description	paclitaxel + cinaroprecrin on kyse30 cell line, after 24h treatment

analyzed by N. Goftari

Drug: paclitaxel (pac) [uM]

Drug: cinaroprecrin (cin) [uM]

Drug Combo: paclitaxel and cinaroprecrin (PacCin) (pac+cin [1:7.7])

Drug/Combo	Dm	m	r
pac	8.83722	-5.4629	-0.9799
cin	67.2755	-4.2810	-0.9708
PacCin	39.2224	-4.3010	-0.9803

CI values at:

Combo	ED50	ED75	ED90	ED95
PacCin	1.02615	0.99980	0.97487	0.95869

Data for Fa = 0.5

Drug/Combo	CI value	Dose pac	Dose cin
pac		8.83722	
cin			67.2755
PacCin	1.02615	4.50833	34.7141

Data for Fa = 0.75

Drug/Combo	CI value	Dose pac	Dose cin
pac		7.22731	
cin			52.0482
PacCin	0.99980	3.49208	26.8890

Data for Fa = 0.9

Drug/Combo	CI value	Dose pac	Dose cin
pac		5.91068	
cin			40.2675
PacCin	0.97487	2.70491	20.8278

Data for Fa = 0.95

Drug/Combo	CI value	Dose pac	Dose cin
pac		5.15507	
cin			33.8183
PacCin	0.95869	2.27354	17.5063

Data for Fa = 0.97

Drug/Combo	CI value	Dose pac	Dose cin
pac		4.67700	
cin			29.8687

Drug/Combo	CI value	Dose pac	Dose cin
PacCin	0.94754	2.00918	15.4707