

CompuSyn Report

Experiment Name: MDA-MB-157 72 h
Date:
File Name: C:\Users\Rishabh\Desktop\CI calculation\.cse
Description

Drug: Resveratrol (Res) [micromolar]
Drug: Pterostilbene (Ptero) [micromolar]
Drug Combo: Res/Ptero (R/P) (Res+Ptero)

Data for Drug: Res [micromolar]

Dose Effect

5.0 0.975

10.0 0.951

15.0 0.886

3 data points entered.

X-int: 1.84413

Y-int: 2.61601 +/- 0.32156

m: -1.4186 +/- 0.32867

Dm: 69.8435

r: -0.9742

Data for Drug: Ptero [micromolar]

Dose Effect

5.0 0.925

10.0 0.778

15.0 0.754

3 data points entered.

X-int: 1.49171

Y-int: 1.97843 +/- 0.38188

m: -1.3263 +/- 0.39032

Dm: 31.0248

r: -0.9593

Data for Non-Constant Combo: R/P (Res+Ptero)

Dose Res Dose Ptero Effect

5.0 5.0 0.735

5.0 10.0 0.699

5.0 15.0 0.702

10.0 5.0 0.709

10.0 10.0 0.677

10.0 15.0 0.684

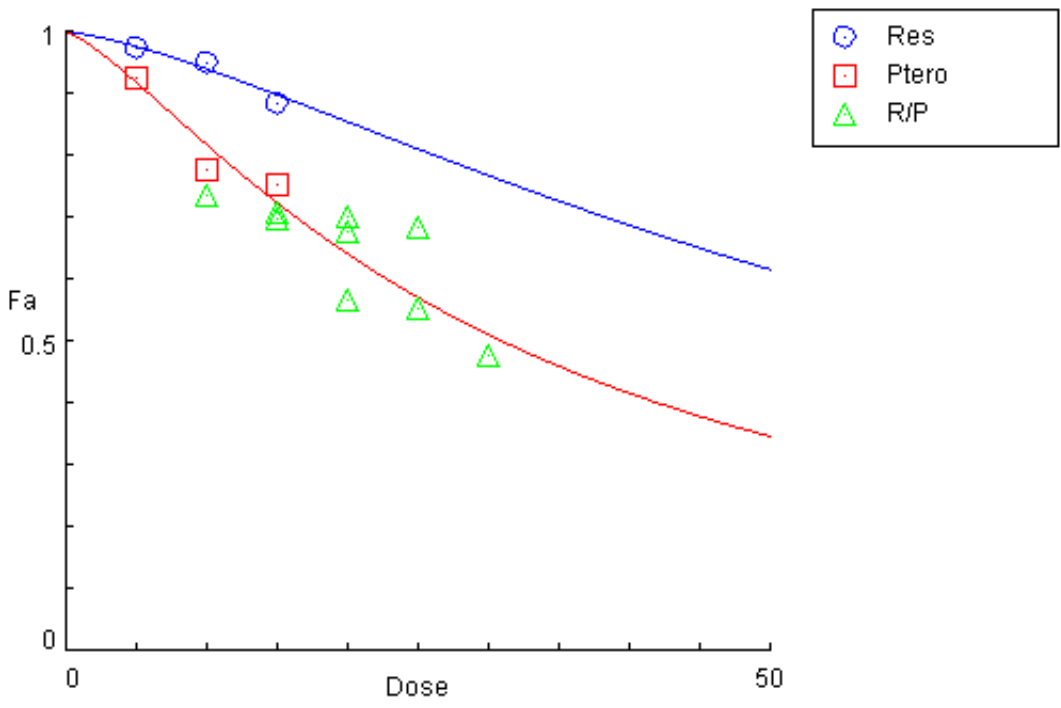
15.0 5.0 0.568

15.0 10.0 0.553

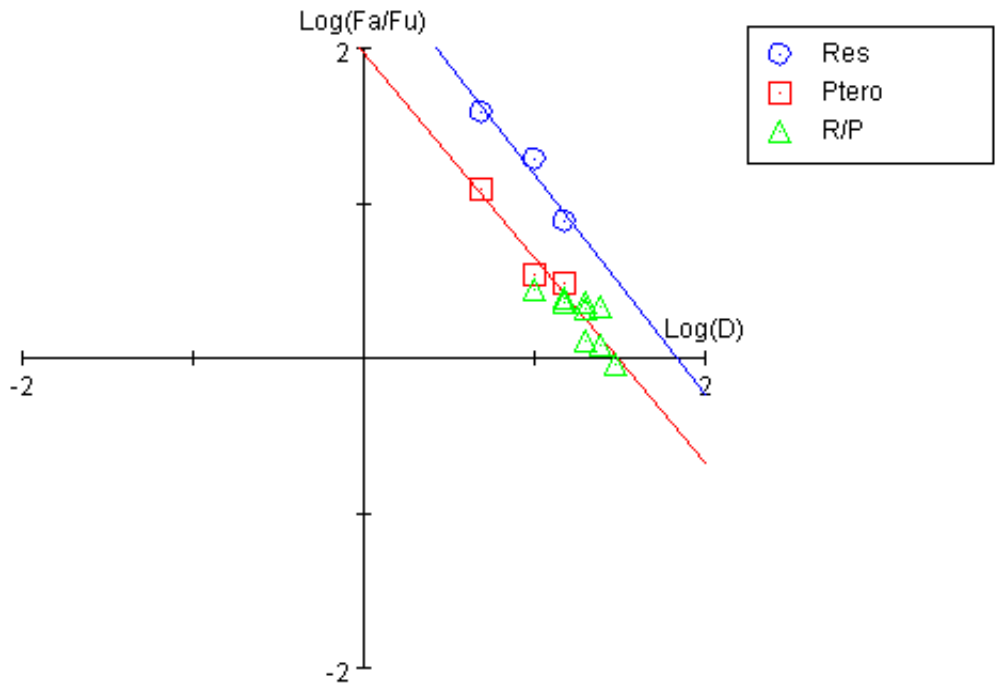
15.0 15.0 0.477

9 data points entered.

Dose-Effect Curve



Median-Effect Plot

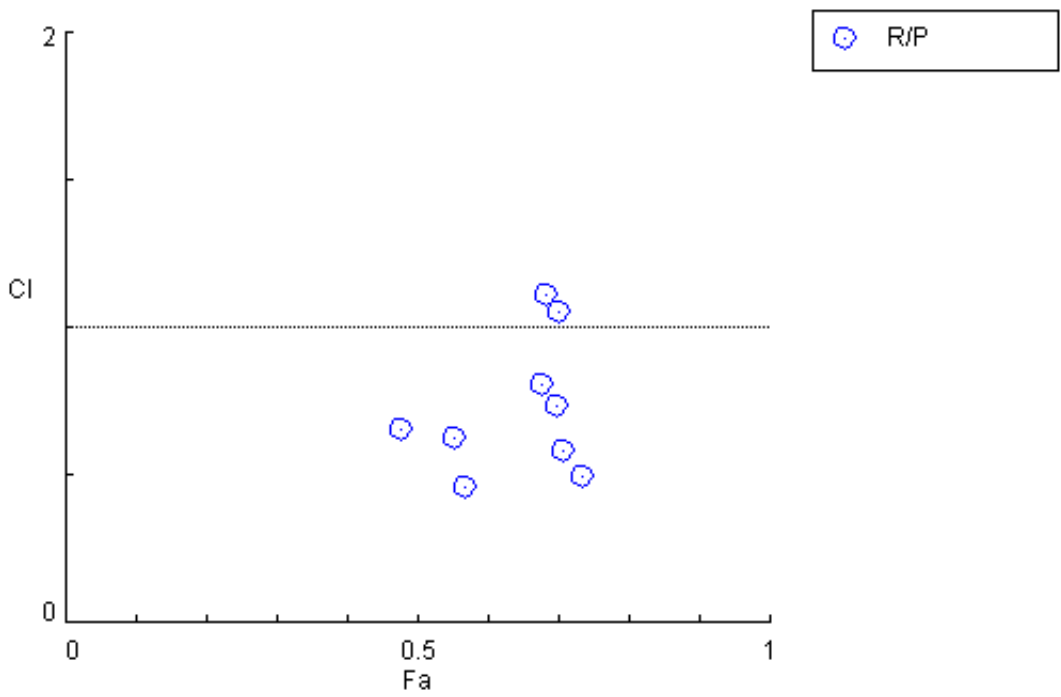


CI Data for Non-Constant Combo: R/P (Res+Ptero)

Dose Res	Dose Ptero	Effect	CI
5.0	5.0	0.735	0.49473
5.0	10.0	0.699	0.73805
5.0	15.0	0.702	1.05345
10.0	5.0	0.709	0.58364

10.0	10.0	0.677	0.80436
10.0	15.0	0.684	1.11223
15.0	5.0	0.568	0.45857
15.0	10.0	0.553	0.62794
15.0	15.0	0.477	0.65233

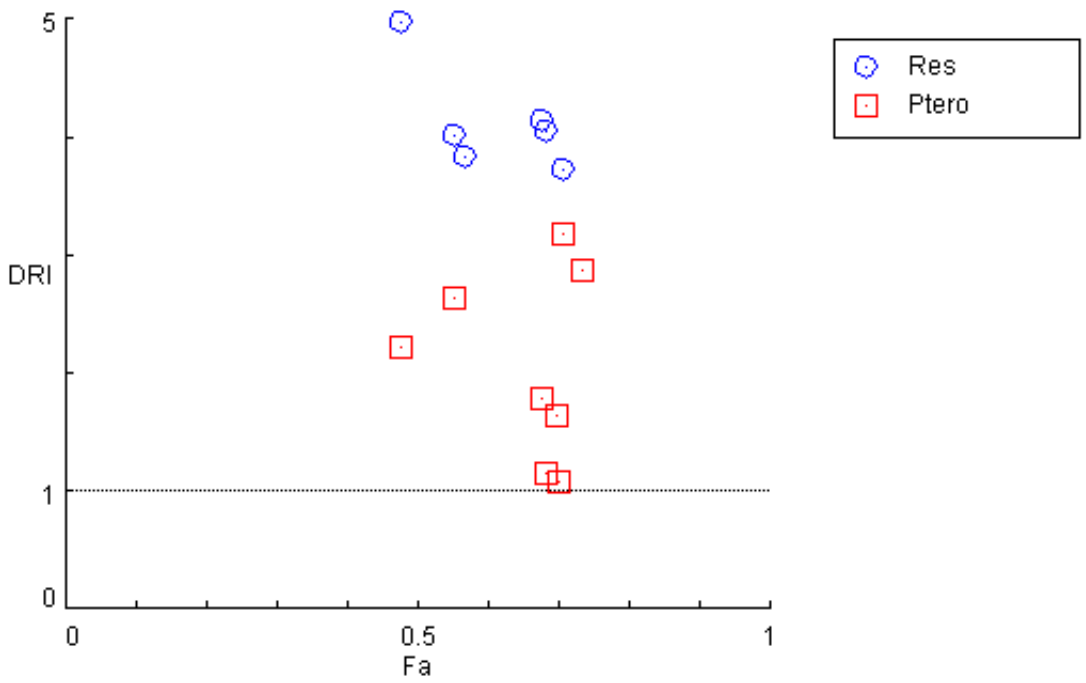
Combination Index Plot



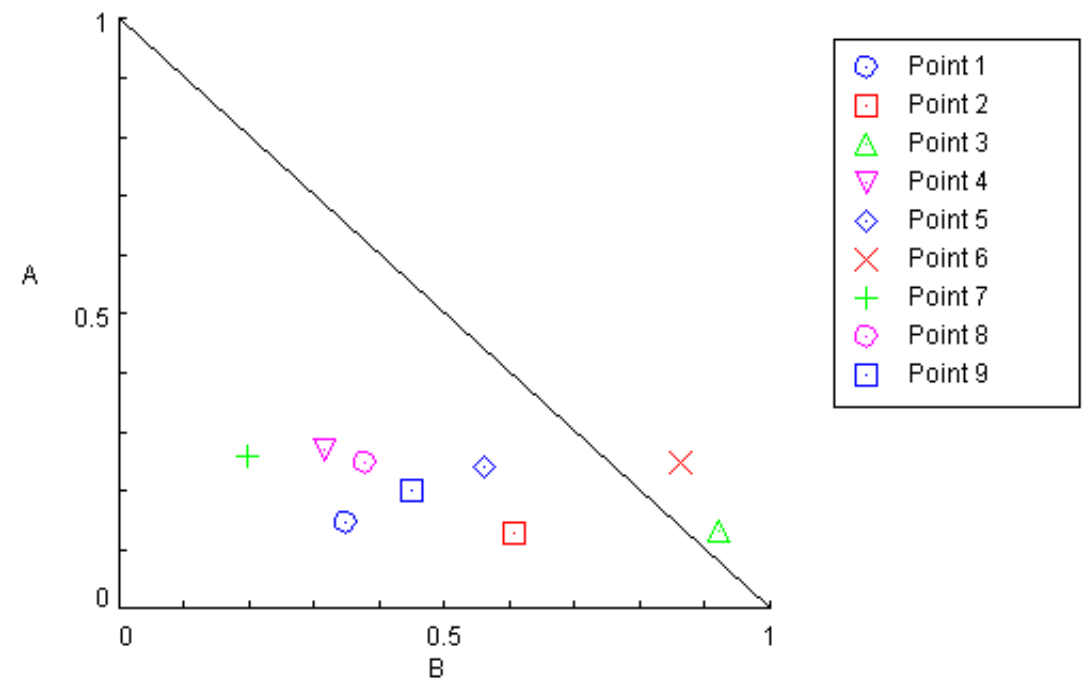
DRI Data for Non-Constant Combo: R/P (Res+Ptero)

Fa	Dose Res	Dose Ptero	DRI Res	DRI Ptero
0.735	34.0259	14.3768	6.80518	2.87536
0.699	38.5640	16.4368	7.71279	1.64368
0.702	38.1772	16.2605	7.63544	1.08404
0.709	37.2811	15.8527	3.72811	3.17053
0.677	41.4542	17.7578	4.14542	1.77578
0.684	40.5239	17.3319	4.05239	1.15546
0.568	57.5882	25.2398	3.83922	5.04797
0.553	60.1142	26.4257	4.00761	2.64257
0.477	74.5266	33.2549	4.96844	2.21699

DRI Plot for Non-Constant Combo: R/P (Res+Ptero)



Normalized Isobologram for Combo: R/P (Res+Ptero)



Summary Table

Experiment Name: MDA-MB-157 72 h
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Description:
Drug: Resveratrol (Res) [micromolar]
Drug: Pterostilbene (Ptero) [micromolar]
Drug Combo: Res/Ptero (R/P) (Res+Ptero)

Drug/Combo	Dm	m	r
Res	69.8435	-1.4186	-0.9742
Ptero	31.0248	-1.3263	-0.9593

CI values at:

Combo ED50 ED75 ED90 ED95

Data for Fa = 0.5

Drug/Combo CI value Dose Res Dose Ptero

Res	69.8435		
Ptero		31.0248	

Data for Fa = 0.75

Drug/Combo CI value Dose Res Dose Ptero

Res	32.1948		
Ptero		13.5508	

Data for Fa = 0.9

Drug/Combo CI value Dose Res Dose Ptero

Res	14.8404		
Ptero		5.91867	

Data for Fa = 0.95

Drug/Combo CI value Dose Res Dose Ptero

Res	8.76364		
Ptero		3.36936	

Data for Fa = 0.97

Drug/Combo CI value Dose Res Dose Ptero

Res	6.02444		
Ptero		2.25660	