

# CompuSyn Report

**Experiment Name:** HCC1806 72 h  
**Date:**  
**File Name:** C:\Users\Rishabh\Desktop\CI calculation\HCC1806 three day.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 0.87  
 10.0 0.87  
 15.0 0.701

3 data points entered.

**X-int:** 1.74918

**Y-int:** 1.49019 +/- 0.66533

**m:** -0.8519 +/- 0.68002

**Dm:** 56.1280

**r:** -0.7816

Data for Drug: Ptero [micromolar]

### Dose Effect

5.0 0.825  
 10.0 0.732  
 15.0 0.634

3 data points entered.

**X-int:** 1.45889

**Y-int:** 1.31004 +/- 0.08633

**m:** -0.8980 +/- 0.08824

**Dm:** 28.7665

**r:** -0.9952

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

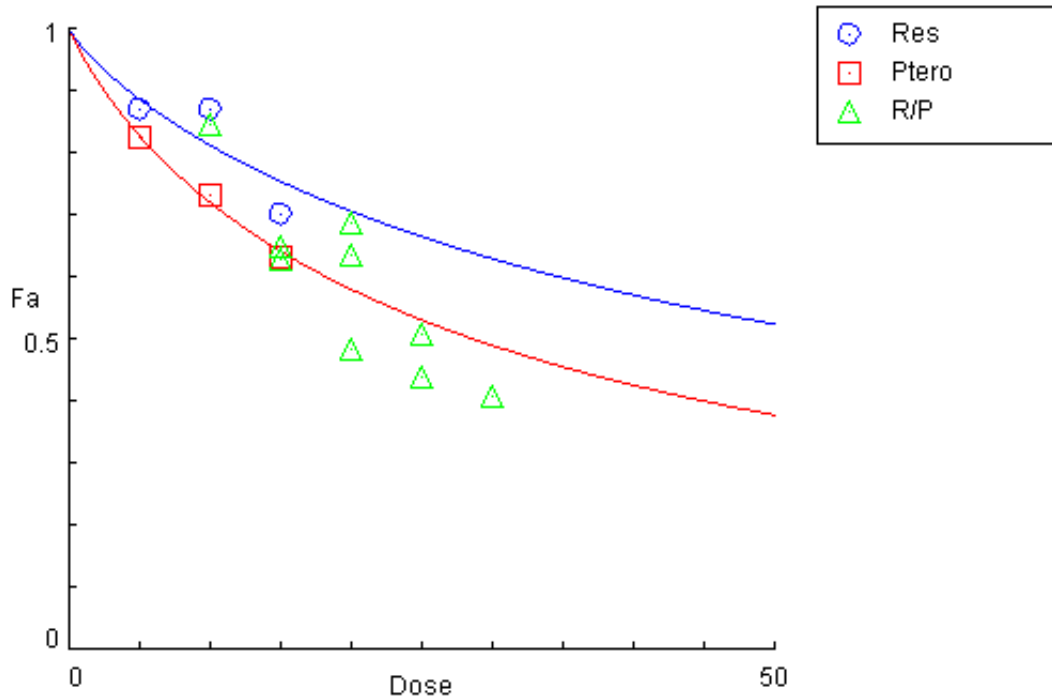
### Dose Res Dose Ptero Effect

5.0	5.0	0.848
5.0	10.0	0.63
5.0	15.0	0.688
10.0	5.0	0.651
10.0	10.0	0.637

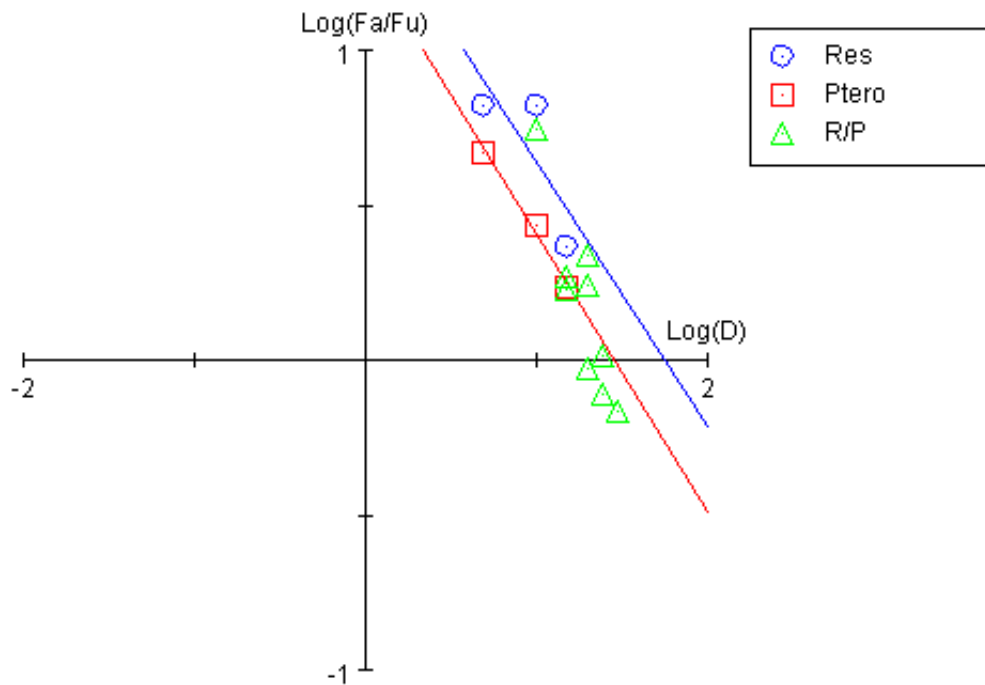
10.0	15.0	0.439
15.0	5.0	0.485
15.0	10.0	0.509
15.0	15.0	0.409

9 data points entered.

### Dose-Effect Curve



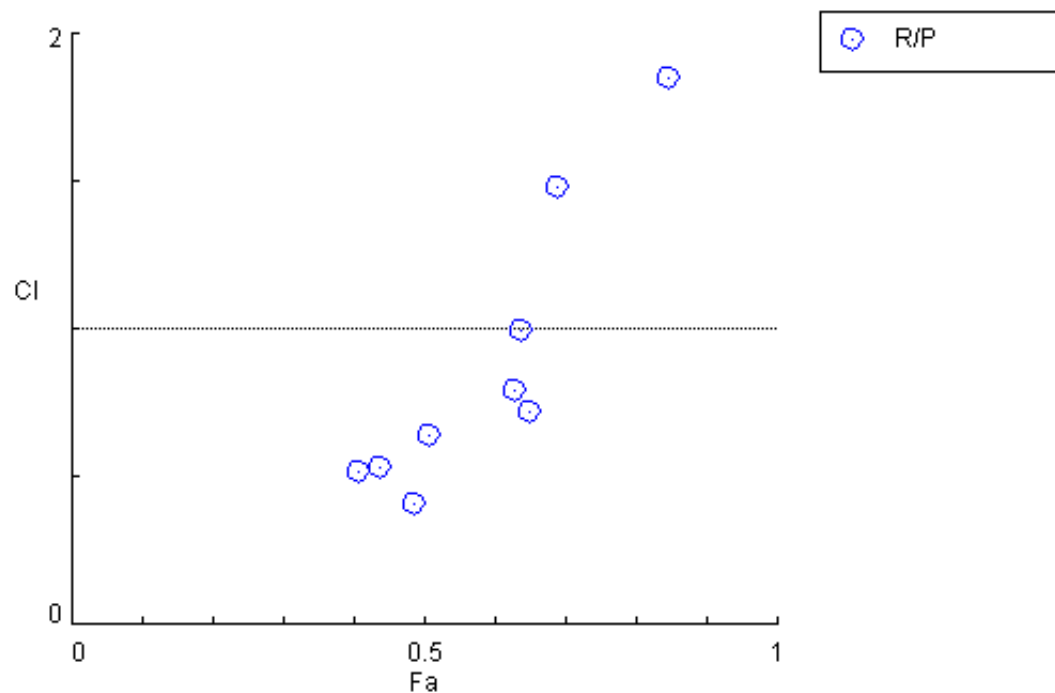
### Median-Effect Plot



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

Dose Res	Dose Ptero	Effect	CI
5.0	5.0	0.848	1.84887
5.0	10.0	0.63	0.79518
5.0	15.0	0.688	1.48331
10.0	5.0	0.651	0.71838
10.0	10.0	0.637	0.99502
10.0	15.0	0.439	0.53043
15.0	5.0	0.485	0.41164
15.0	10.0	0.509	0.64063
15.0	15.0	0.409	0.51957

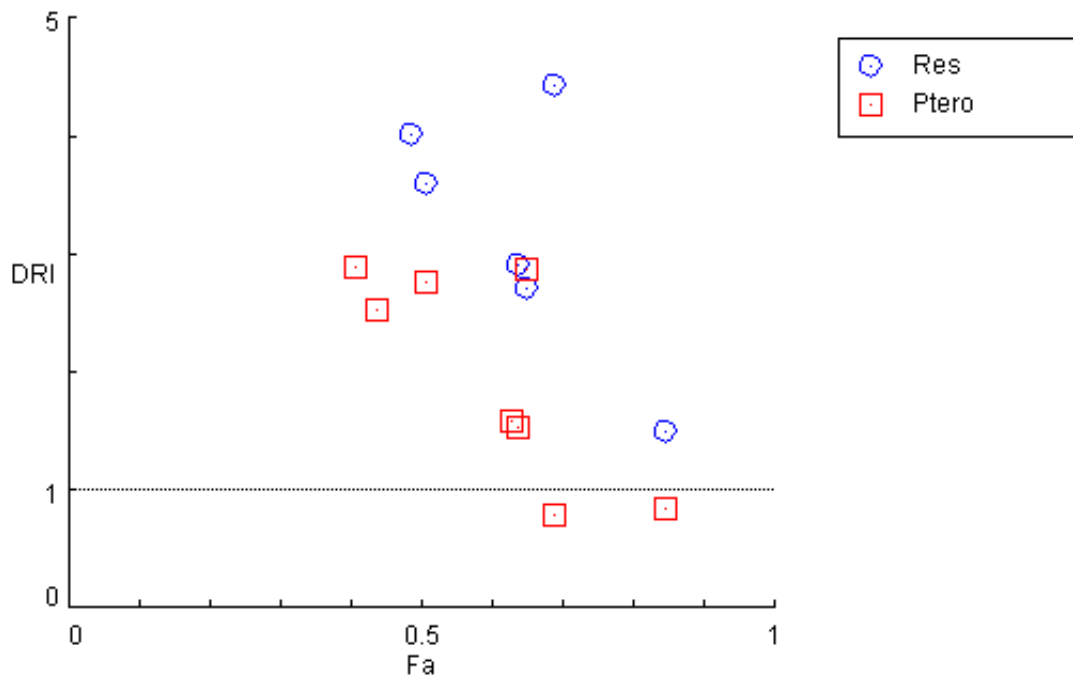
## Combination Index Plot



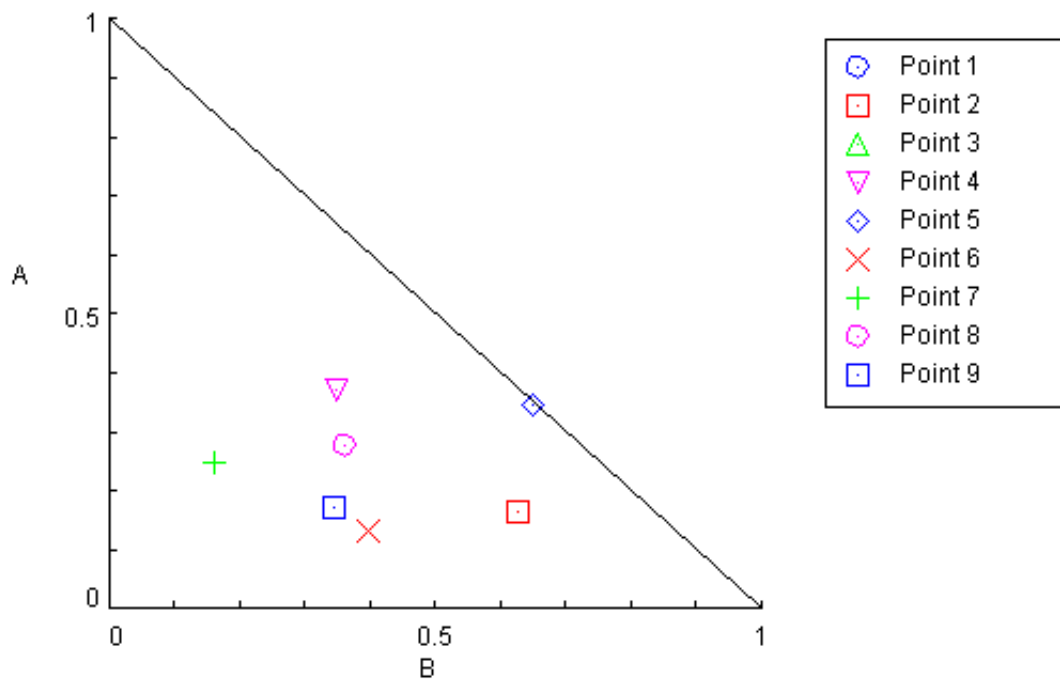
## DRI Data for Non-Constant Combo: R/P (Res+Ptero)

Fa	Dose Res	Dose Ptero	DRI Res	DRI Ptero
0.848	7.46240	4.24145	1.49248	0.84829
0.63	30.0517	15.9033	6.01034	1.59033
0.688	22.1849	11.9243	4.43698	0.79496
0.651	27.0002	14.3671	2.70002	2.87342
0.637	29.0068	15.3782	2.90068	1.53782
0.439	74.8492	37.7995	7.48492	2.51997
0.485	60.2248	30.7549	4.01498	6.15099
0.509	53.8054	27.6360	3.58702	2.76360
0.409	86.4625	43.3426	5.76416	2.88951

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



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



## Summary Table

**Experiment Name:** HCC1806 72 h  
**Date:**  
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**Description**

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

<b>Drug/Combo</b>	<b>Dm</b>	<b>m</b>	<b>r</b>
Res	56.1280	-0.8519	-0.7816
Ptero	28.7665	-0.8980	-0.9952

CI values at:

**Combo ED50 ED75 ED90 ED95**

Data for Fa = 0.5

<b>Drug/Combo</b>	<b>CI value</b>	<b>Dose Res</b>	<b>Dose Ptero</b>
Res		56.1280	
Ptero			28.7665

Data for Fa = 0.75

<b>Drug/Combo</b>	<b>CI value</b>	<b>Dose Res</b>	<b>Dose Ptero</b>
Res		15.4574	
Ptero			8.46364

Data for Fa = 0.9

<b>Drug/Combo</b>	<b>CI value</b>	<b>Dose Res</b>	<b>Dose Ptero</b>
Res		4.25689	
Ptero			2.49016

Data for Fa = 0.95

<b>Drug/Combo</b>	<b>CI value</b>	<b>Dose Res</b>	<b>Dose Ptero</b>
Res		1.77085	
Ptero			1.08354

Data for Fa = 0.97

<b>Drug/Combo</b>	<b>CI value</b>	<b>Dose Res</b>	<b>Dose Ptero</b>
Res		0.94876	
Ptero			0.59940