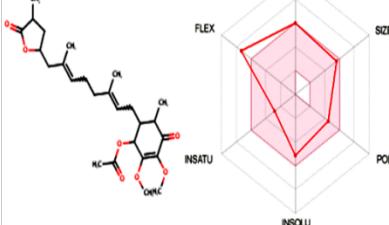
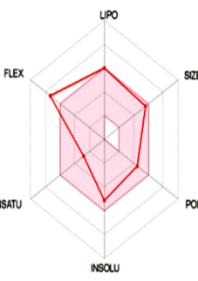


Supplementary Figure 1

A

		
SMILES <chem>COC1=C(OC)C(=O)C(C(C1OC(=O)C)CC=C(CCC=C(CC1OC(=O)C(C1)C)C)C</chem>		
Physicochemical Properties		
Formula	C26H38O7	
Molecular weight	462.58 g/mol	
Num. heavy atoms	33	
Num. arom. heavy atoms	0	
Fraction Csp3	0.65	
Num. rotatable bonds	11	
Num. H-bond acceptors	7	
Num. H-bond donors	0	
Molar Refractivity	126.39	
TPSA	88.13 Å²	
Lipophilicity		
Log P_{ow} (iLOGP)	4.34	
Log P_{ow} (XLOGP3)	5.01	
Log P_{ow} (WLOGP)	4.66	
Log P_{ow} (MLOGP)	2.20	
Log P_{ow} (SILICOS-IT)	4.97	
Consensus Log P_{ow}	4.24	

B

Property	Model Name	Predicted Value	Unit
Toxicity	AMES toxicity	No	Categorical (Yes/No)
Toxicity	Max. tolerated dose (human)	0.092	Numeric (log mg/kg/day)
Toxicity	hERG I inhibitor	No	Categorical (Yes/No)
Toxicity	hERG II inhibitor	No	Categorical (Yes/No)
Toxicity	Oral Rat Acute Toxicity (LD50)	1.935	Numeric (mol/kg)
Toxicity	Oral Rat Acute Toxicity (LOAEL)	0.491	Numeric (log mg/kg_bw/day)
Toxicity	Hepatotoxicity	No	Categorical (Yes/No)
Toxicity	Skin Sensitisation	No	Categorical (Yes/No)
Toxicity	<i>T. Pyriformis</i> toxicity	0.393	Numeric (log ug/L)
Toxicity	Minnow toxicity	-0.077	Numeric (log mM)

C

Species/Administration route	LD50 (mg/kg)	Reliability (RI)
Mouse/Intraperitoneal	270	Borderline(0.39)
Mouse/Oral	3700	Not Reliable(0.21)
Mouse/Intravenous	55	Borderline(0.39)
Mouse/Subcutaneous	250	Not Reliable(0.24)
Rat/Intraperitoneal	680	Borderline(0.46)
Rat/Oral	3400	Not Reliable(0.27)

D

77% probability that compound belongs to any of above categories

84% probability that LD50 = < 5000 mg/kg
 92% probability that LD50 > 300 mg/kg

Probabilities of LD50 (mg/kg) ranges:

= < 5	= < 50	= < 300	= < 2000	= < 5000
0.005	0.022	0.083	0.498	0.838
> 50	> 50	> 300	> 2000	> 5000
0.995	0.978	0.917	0.502	0.162

Supplementary Figure 2