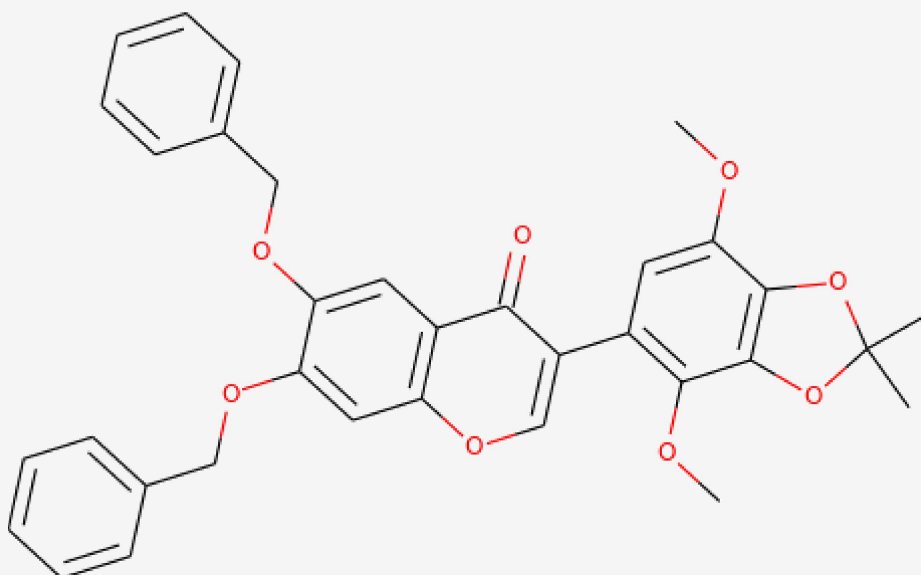


Pharmacokinetic Properties

Molecule Depiction

[SMILES](#)

Molecule properties:

Descriptor	Value
Molecular Weight	566.606
LogP	7.1425
#Rotatable Bonds	9
#Acceptors	8
#Donors	0
Surface Area	242.481

Property	Model Name	Predicted Value	Unit

Property	Model Name	Predicted Value	Unit
Absorption	Water solubility	-3.767	Numeric (log mol/L)
Absorption	Caco2 permeability	1.252	Numeric (log Papp in 10 ⁻⁶ cm/s)
Absorption	Intestinal absorption (human)	96.241	Numeric (% Absorbed)
Absorption	Skin Permeability	-2.735	Numeric (log Kp)
Absorption	P-glycoprotein substrate	No	Categorical (Yes/No)
Absorption	P-glycoprotein I inhibitor	Yes	Categorical (Yes/No)
Absorption	P-glycoprotein II inhibitor	Yes	Categorical (Yes/No)
Distribution	VDss (human)	-0.95	Numeric (log L/kg)
Distribution	Fraction unbound (human)	0.342	Numeric (Fu)
Distribution	BBB permeability	-1.222	Numeric (log BB)
Distribution	CNS permeability	-2.669	Numeric (log PS)
Metabolism	CYP2D6 substrate	No	Categorical (Yes/No)
Metabolism	CYP3A4 substrate	Yes	Categorical (Yes/No)
Metabolism	CYP1A2 inhibitor	No	Categorical (Yes/No)
Metabolism	CYP2C19 inhibitor	Yes	Categorical (Yes/No)
Metabolism	CYP2C9 inhibitor	Yes	Categorical (Yes/No)
Metabolism	CYP2D6 inhibitor	No	Categorical (Yes/No)
Metabolism	CYP3A4 inhibitor	Yes	Categorical (Yes/No)
Excretion	Total Clearance	0.493	Numeric (log ml/min/kg)
Excretion	Renal OCT2 substrate	No	Categorical (Yes/No)
Toxicity	AMES toxicity	No	Categorical (Yes/No)
Toxicity	Max. tolerated dose (human)	0.592	Numeric (log mg/kg/day)
Toxicity	hERG I inhibitor	No	Categorical (Yes/No)
Toxicity	hERG II inhibitor	Yes	Categorical (Yes/No)
Toxicity	Oral Rat Acute Toxicity (LD50)	2.958	Numeric (mol/kg)

Property	Model Name	Predicted Value	Unit
Toxicity	Oral Rat Chronic Toxicity (LOAEL)	0.486	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	0.285	Numeric (log ug/L)
Toxicity	Minnow toxicity	-2.352	Numeric (log mM)

Run another prediction

Back



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