

Product Datasheet

(+)-Shikonin (orb1309685)

Catalog Number	orb1309685
Category	Small Molecules
Description	(+)-Shikonin is a bioactive natural compound that acts as a TMEM16A chloride channel inhibitor and a selective PKM2 inhibitor. It has demonstrated antitumor and anti-inflammatory properties in research studies, supporting its investigation in cancer biology and inflammation models both in vitro and in vivo.
Target	Chloride channel,TNF,HIV Protease,PKM,AIM2,NF-κB
Purity	98.13% (May vary between batches)
MW	288.30
Target Areas	NF-κB PKM AIM2 TNF Chloride channel HIV Protease
Solubility (25°C)	Ethanol:13.00 mg/mL (45.09 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:5.70 mg/mL (19.77 mM);DMSO:130.00 mg/mL (450.92 mM);H2O:Insoluble
CAS Number	517-89-5
Formula	C ₁₆ H ₁₆ O ₅
SMILES	CC(C)=CC[C@@H](O)C1=CC(=O)c2c(O)ccc(O)c2C1=O
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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