

Product Datasheet

(-)-Alkannin (orb1302417)

Catalog Number	orb1302417
Category	Small Molecules
Description	(-)-Alkannin (Shikonin) is a bioactive naphthoquinone with documented antimicrobial, antitumor, and anti-inflammatory properties. It is utilized in pharmaceutical, cosmetic, and food applications, and research indicates it inhibits viability and metastasis in gastric cancer cells via TLR2/NF-κB pathways in vitro.
Target	Apoptosis,PI3K
Purity	98.18% (May vary between batches)
MW	288.3
Target Areas	PI3K Apoptosis
Solubility (25°C)	DMSO:50 mg/mL (173.43 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (6.94 mM)
CAS Number	517-88-4
Formula	C ₁₆ H ₁₆ O ₅
SMILES	<chem>CC(C)=CC[C@H](O)C1=CC(=O)c2c(O)ccc(O)c2C1=O</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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