

Product Datasheet

Acetylshikonin (orb1301243)

Catalog Number	orb1301243
Category	Small Molecules
Description	Acetylshikonin is a bioactive shikonin derivative that exhibits antiangiogenic and antitumor effects by inhibiting cell proliferation and NADPH oxidase assembly. It induces apoptosis in cancer cells via endoplasmic reticulum stress and Nur77 pathway modulation, while also demonstrating anti-inflammatory activity by suppressing mast cell degranulation in vivo.
Target	Antibacterial,Cholinesterase (ChE),Apoptosis,Cytochromes P450,Autophagy
Purity	92.45% (May vary between batches)
MW	330.33
Target Areas	Apoptosis Antibacterial Cholinesterase (ChE) Cytochromes P450 Autophagy
Solubility (25°C)	DMSO:3.31 mg/mL (10.02 mM)
CAS Number	24502-78-1
Formula	C ₁₈ H ₁₈ O ₆
SMILES	CC(C)=CC[C@@H](OC(C)=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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