

Product Datasheet

11-Keto-beta-boswellic acid (orb1297519)

Catalog Number	orb1297519
Category	Small Molecules
Description	11-Keto-beta-boswellic acid is a dual-activity small molecule that activates the Nrf2 pathway and selectively inhibits 5-lipoxygenase (5-LOX). It demonstrates a dose-dependent cardioprotective effect, as evidenced by reduced serum lactate dehydrogenase levels in research models. This compound is used in studies investigating oxidative stress, inflammation, and cardiovascular protection in both cellular and animal systems.
Target	Lipoxygenase,NF-κB,Leukotriene Receptor
Purity	99.68% (May vary between batches)
MW	470.68
Target Areas	Leukotriene Receptor NF-κB Lipoxygenase
Solubility (25°C)	DMSO:22.5 mg/mL (47.8 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (4.25 mM)
CAS Number	17019-92-0
Formula	C ₃₀ H ₄₆ O ₄
SMILES	<chem>[H][C@@]12[C@@H](C)[C@H](C)CC[C@]1(C)CC[C@]1(C)C2=CC(=O)[C@]2([H])[C@@]3(C)CC[C@@H](O)[C@](C)(C(O)=O)[C@]3([H])CC[C@@]12C</chem>
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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