

Product Datasheet

AKBA (orb1301285)

Catalog Number	orb1301285
Category	Small Molecules
Description	AKBA (3-O-Acetyl-11-keto-beta-boswellic acid), a bioactive frankincense derivative, is identified as a novel Nrf2 activator. It is utilized in research exploring oxidative stress and inflammation, with applications in both cellular and animal models for related disease pathways.
Target	Endogenous Metabolite,HIF/HIF Prolyl-Hydroxylase,Reactive Oxygen Species,ROS
Purity	97.85% (May vary between batches)
MW	512.72
Target Areas	ROS HIF/HIF Prolyl-Hydroxylase Endogenous Metabolite Reactive Oxygen Species
Solubility (25°C)	DMSO:13.89 mg/mL (27.09 mM)
CAS Number	67416-61-9
Formula	C ₃₂ H ₄₈ O ₅
SMILES	<chem>CC1CCC2(C)CCC3(C)C(=CC(=O)C4C5(C)CCC(OC(C)=O)C(C)(C5CCC34C)C(O)=O)C2C1C</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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