

Product Datasheet

Hydroxy- α -sanshool (orb1685390)

Catalog Number	orb1685390
Category	Small Molecules
Description	Hydroxy- α -sanshool is a natural alkylamide from Szechuan pepper, functioning as a dual agonist for TRPA1 (covalent, EC50 69 μ M) and TRPV1 (non-covalent, EC50 1.1 μ M). It is a valuable research tool for studying somatosensation, pain mechanisms, and the pharmacological modulation of these ion channels in both cellular and animal models.
Target	Endogenous Metabolite,TRP/TRPV Channel
Purity	99.47% (May vary between batches)
MW	263.38
Target Areas	TRP/TRPV Channel Endogenous Metabolite
Solubility (25°C)	DMSO:37.5 mg/mL (142.38 mM);10% DMSO+90% Corn Oil:2 mg/mL (7.59 mM)
CAS Number	83883-10-7
Formula	C ₁₆ H ₂₅ NO ₂
SMILES	<chem>C\C=C\C=C\C=C/C/CC\C=C\C(=O)NCC(C)(C)O</chem>
Storage	store at low temperature Pure form: -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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