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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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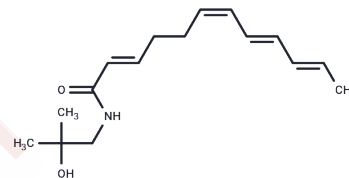
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Hydroxy- α -sanshool

Chemical Properties

CAS No. : 83883-10-7
 Formula: C₁₆H₂₅NO₂
 Molecular Weight: 263.38
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Hydroxy- α -sanshool is an alkyl amide isolated from the pepper. It acts as a TRPA1 covalent and TRPV1 non-covalent agonist (EC ₅₀ s: 69 and 1.1 μ M).
Targets(IC ₅₀)	Endogenous Metabolite,TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 37.5 mg/mL (142.38 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7968 mL	18.984 mL	37.968 mL
5 mM	0.7594 mL	3.7968 mL	7.5936 mL
10 mM	0.3797 mL	1.8984 mL	3.7968 mL
50 mM	0.0759 mL	0.3797 mL	0.7594 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Koo JY, et al. Compounds from Sichuan and Melegueta peppers activate, covalently and non-covalently, TRPA1 and TRPV1 channels. Br J Pharmacol. 2009 Aug;157(8):1398-409.

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