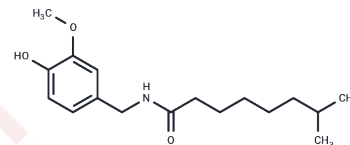


Nordihydrocapsaicin

Chemical Properties

CAS No. :	28789-35-7
Formula:	C ₁₇ H ₂₇ NO ₃
Molecular Weight:	293.4
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Nordihydrocapsaicin is an analog and congener of capsaicin, belonging to the capsaicinoid class of compounds found in Capsicum chili peppers.
Targets(IC50)	Others

Solubility Information

Solubility	Chloroform, DMSO: Soluble, DMSO: 3.26 mg/mL (11.1 mM), Sonication is recommended. (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4083 mL	17.0416 mL	34.0832 mL
5 mM	0.6817 mL	3.4083 mL	6.8166 mL
10 mM	0.3408 mL	1.7042 mL	3.4083 mL
50 mM	0.0682 mL	0.3408 mL	0.6817 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

Evolution of total and individual capsaicinoids in peppers during ripening of the Cayenne pepper plant (*Capsicum annum* L.). Food Chem. 2014 Jun 15;153:200-6.

Glycosylation of capsaicin and 8-nordihydrocapsaicin by cultured cells of *Catharanthus roseus*. Phytochemistry. 2007 May;68(10):1391-6.

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