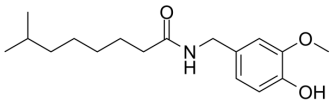
Nordihydrocapsaicin

Cat. No.:	HY-N0449
CAS No.:	28789-35-7
Molecular Formula:	$C_{17}H_{27}NO_3$
Molecular Weight:	293.4
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (170.42 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (8.52 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Nordihydrocapsaicin is a capsaicinoid analog and congener of capsaicin in chili peppers[1].

REFERENCES

[1]. Alvarez-Parrilla E, et al. Antioxidant activity of fresh and processed Jalapeño and Serrano peppers. J Agric Food Chem. 2011 Jan 12;59(1):163-73.

Caution: Product has not been fully validated for medical applications. For research use only.

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