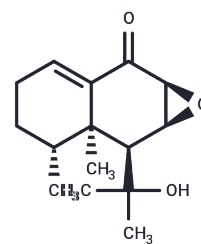


Isonardosinone

Chemical Properties

CAS No. :	27062-01-7
Formula:	C ₁₅ H ₂₂ O ₃
Molecular Weight:	250.33
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Isonardosinone, a nardosinone-type sesquiterpene from <i>Nardostachys jatamansi</i> , exhibits anti-neuroinflammatory and cytotoxic activities, inhibits NF- κ B and MAPK-mediated inflammatory pathways, and attenuates ovx-induced osteoclastogenesis and bone loss.
Targets(IC50)	NF- κ B, MAPK, NO Synthase, COX, p38 MAPK
In vitro	Methods: Isonardosinone (20, 40, 80, 160 μ M) was used to treat lipopolysaccharide (LPS)-induced BV2 microglia to investigate its anti-neuroinflammatory effects. Results: Isonardosinone inhibited NF- κ B- and MAPK-mediated inflammatory pathways, demonstrating its potential role in the treatment of neuroinflammatory diseases. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9947 mL	19.9736 mL	39.9473 mL
5 mM	0.7989 mL	3.9947 mL	7.9895 mL
10 mM	0.3995 mL	1.9974 mL	3.9947 mL
50 mM	0.0799 mL	0.3995 mL	0.7989 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Ko W, et al., Nardosinone-Type Sesquiterpenes from the Hexane Fraction of *Nardostachys jatamansi* Attenuate NF- κ B and MAPK Signaling Pathways in Lipopolysaccharide-Stimulated BV2 Microglial Cells. *Inflammation*. 2018 Aug; 41(4):1215-1228.

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