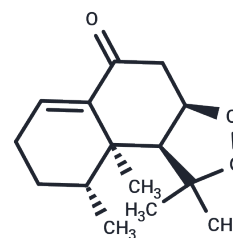


Nardosinone

Chemical Properties

CAS No. :	23720-80-1
Formula:	C ₁₅ H ₂₂ O ₃
Molecular Weight:	250.33
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. Nardosinone has inhibitory effect on Ang II-induced hypertrophy in H9c2 cells, might be mediated by targeting PI3K/Akt and MEK/ERK signaling pathways. 2. Nardosinone could protect against the neuronal injury exposed to OGD, which may be relevant to the promotion of PKA and ERK signaling pathway. 3. Nardosinone enhances staurosporine- or dbcAMP-induced neurite outgrowth from PC12D cells, probably by amplifying both the MAP kinase-dependent and -independent signaling pathways of dbcAMP and staurosporine. 4. The enhancement of NGF-induced neurite outgrowth from PC12D cells by Nardosinone involves activation of a down-stream step of the MAP kinase-dependent cascade of NGF coupled with PKC.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 46 mg/mL (183.76 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

Reference

Du M , Huang K , Gao L , et al. Nardosinone Protects H9c2 Cardiac Cells from Angiotensin II-induced Hypertrophy[J]. Journal of Huazhong University of Science and Technology, 2013, 33(6):822-826.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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