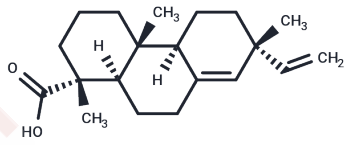
Data Sheet (Cat.No.T40563)

TargetMol

Sandaracopimaric acid

Chemical Properties



CAS No. : 471-74-9

Formula: C20H30O2

Molecular Weight: 302.45

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Sandaracopimaric acid is an anti-inflammatory diterpenoid compound that effectively reduces the contraction of phenylephrine-induced pulmonary arteries. With an EC50 of 43.93 μM, it exhibits noteworthy anti-inflammatory properties.
Targets(IC50)	Others,GABA Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3063 mL	16.5317 mL	33.0633 mL
5 mM	0.6613 mL	3.3063 mL	6.6127 mL
10 mM	0.3306 mL	1.6532 mL	3.3063 mL
50 mM	0.0661 mL	0.3306 mL	0.6613 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

Wenyan Gao, et al. Dehydroabietic acid isolated from Commiphora opobalsamum causes endothelium-dependent relaxation of pulmonary artery via PI3K/Akt-eNOS signaling pathway. Molecules. 2014 Jun 23;19(6):8503-17.
Masao Takei, et al. Diterpenes drive Th1 polarization depending on IL-12. Int Immunopharmacol. 2008 Nov;8(11):1602-8.

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