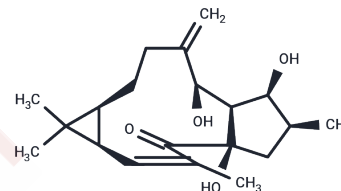


Lathyrol

Chemical Properties

CAS No. :	34420-19-4
Formula:	C ₂₀ H ₃₀ O ₄
Molecular Weight:	334.45
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	1.Lathyrol diterpenes is a modulator of P-glycoprotein dependent multidrug resistance.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (164.45 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	2.990 mL	14.9499 mL	29.8998 mL
5 mM	0.598 mL	2.990 mL	5.980 mL
10 mM	0.299 mL	1.495 mL	2.990 mL
50 mM	0.0598 mL	0.299 mL	0.598 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

Jiao W , Wan Z , Chen S , et al. Lathyrol Diterpenes as Modulators of P-Glycoprotein Dependent Multidrug Resistance: Structure-Activity Relationship Studies on γ , Euphorbia γ , Factor L γ , 3 γ , Derivatives]]. Journal of Medicinal Chemistry, 2015, 58(9):3720-3738.

ul Haq A, Yin S, Maryam A, et al.Lathyrol Binds with STAT3 DNA Binding Domain and Induces Apoptosis in Multiple Human Cancer Cells.Pakistan Journal of Zoology.2024

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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