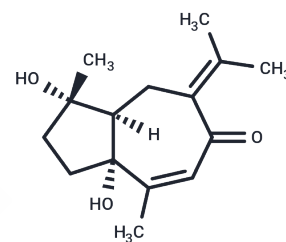


Aerugidiol

Chemical Properties

CAS No. :	116425-35-5
Formula:	C ₁₅ H ₂₂ O ₃
Molecular Weight:	250.33
Storage:	Keep away from direct sunlight 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	Aerugidiol is a natural sesquiterpene exhibiting inhibitory activity against protein tyrosine phosphatase 1B (PTP1B) with an IC ₅₀ of 35.7 μM.
Targets(IC ₅₀)	Phosphatase

Solubility Information

Solubility	DMSO: ≥ 80 mg/mL, 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	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

Saifudin A, et al. Sesquiterpenes from the rhizomes of *Curcuma heyneana*. J Nat Prod. 2013 Feb 22;76(2):223-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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