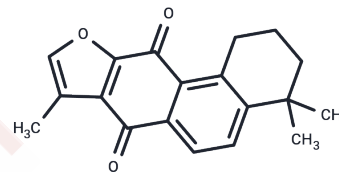


Isotanshinone IIA

Chemical Properties

CAS No. : 20958-15-0
 Formula: C₁₉H₁₈O₃
 Molecular Weight: 294.34
 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	Isotanshinone IIA, could non-competitively inhibit Protein Tyrosine Phosphatase 1B (PTP1B) activity with an IC ₅₀ of 11.4 μM. is an abietane-type diterpene metabolite.
Targets(IC ₅₀)	Others, Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3974 mL	16.9872 mL	33.9743 mL
5 mM	0.6795 mL	3.3974 mL	6.7949 mL
10 mM	0.3397 mL	1.6987 mL	3.3974 mL
50 mM	0.0679 mL	0.3397 mL	0.6795 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

Han YM, et al. PTP1B inhibitory effect of abietane diterpenes isolated from *Salvia miltiorrhiza*. *Biol Pharm Bull.* 2005 Sep;28(9):1795-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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