

Eleutherol

Chemical Properties

CAS No. : 480-00-2

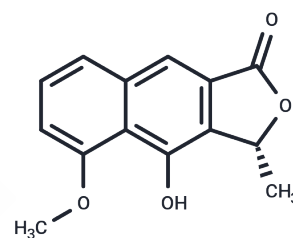
Formula: C₁₄H₁₂O₄

Molecular Weight: 244.25

Store at low temperature

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	Eleutherol is a natural naphthoquinone exhibiting antifungal activity, inhibiting <i>Candida albicans</i> , <i>Candida parapsilosis</i> , <i>Saccharomyces cerevisiae</i> and <i>Cryptococcus neoformans</i> with MIC values ranging from 7.8 to 250 µg/mL.
Targets(IC50)	Antifungal, Glucosidase, glycosidase

Solubility Information

Solubility DMSO: 10 mg/mL (40.94 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0942 mL	20.4708 mL	40.9417 mL
5 mM	0.8188 mL	4.0942 mL	8.1883 mL
10 mM	0.4094 mL	2.0471 mL	4.0942 mL
50 mM	0.0819 mL	0.4094 mL	0.8188 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

Tomohiro Ieyama, et al. α-Glucosidase inhibitors from the bulb of *Eleutherine americana*. Food Chem. 2011 Sep 15; 128(2):308-11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481