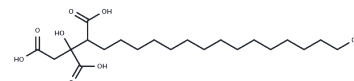


Agaric acid

Chemical Properties

CAS No. :	666-99-9
Formula:	C22H40O7
Molecular Weight:	416.55
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Agaricic acid is an adenine nucleotide translocase antagonist. It is obtained from various plants of the fungous tribe, i.e. Polyporus officinalis and Polyporus igniarius. Agaric acid (Agaricinic Acid) induces mitochondrial permeability transition through its interaction with the adenine nucleotide translocase. Agaric acid promotes efflux of accumulated Ca ²⁺ , collapse of transmembrane potential, and mitochondrial swelling. Agaric acid is used to regulate lipid metabolism.
Targets(IC50)	Mitochondrial Metabolism, AChR

Solubility Information

Solubility	DMSO: 4.17 mg/mL (10 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4007 mL	12.0034 mL	24.0067 mL
5 mM	0.4801 mL	2.4007 mL	4.8013 mL
10 mM	0.2401 mL	1.2003 mL	2.4007 mL
50 mM	0.048 mL	0.2401 mL	0.4801 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.

Reference

García N, et al. Agaric acid induces mitochondrial permeability transition through its interaction with the adenine nucleotide translocase. Its dependence on membrane fluidity. Mitochondrion. 2005 Aug;5(4):272-81.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481