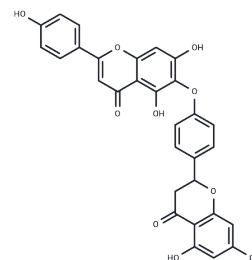


2,3-Dihydrohinokiflavone

Chemical Properties

CAS No. :	34292-87-0
Formula:	C ₃₀ H ₂₀ O ₁₀
Molecular Weight:	540.47
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	2,3-Dihydrohinokiflavone is a suppressor of matrix metalloproteinases (MMP) gene expression and shows strong activity against Leishmania with an IC ₅₀ of 1.6 μM.
Targets(IC ₅₀)	MMP,Parasite,Antifection
In vitro	2,3-Dihydrohinokiflavone shows strong activity against Leishmania (IC ₅₀ = 1.6 μM), whereas for Trypanosoma no significant activity was observed (IC ₅₀ > 12.5 μg/mL)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8502 mL	9.2512 mL	18.5024 mL
5 mM	0.370 mL	1.8502 mL	3.7005 mL
10 mM	0.185 mL	0.9251 mL	1.8502 mL
50 mM	0.037 mL	0.185 mL	0.370 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

Olaf Kunert, et al. Antiplasmodial and leishmanicidal activity of biflavonoids from Indian Selaginella bryopteris. Phytochemistry Letters,2008,1(4):171-4.

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:34 Washington Street,Wellesley Hills,MA 02481