Data Sheet (Cat.No.TN2697)



2,3-Dihydrohinokiflavone

Chemical Propert	ties	
CAS No. :	34292-87-0	H0
Formula:	C30H20O10	
Molecular Weight:	540.47	о он
Appearance: 🦲	no data available	
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	о но он

Biological Description

Description	2,3-Dihydrohinokiflavone is a suppressor of matrix metalloproteinases (MMP) gene expression and shows strong activity against Leishmania with an IC50 of 1.6 μM.
Targets(IC50)	MMP,Parasite,Antifection
In vitro	2,3-Dihydrohinokiflavone shows strong activity against Leishmania (IC50 = 1.6 μ M), whereas for Trypanosoma no significant activity was observed (IC50 > 12.5 μ g/mL)[1].

eparing 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.

Reference

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

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