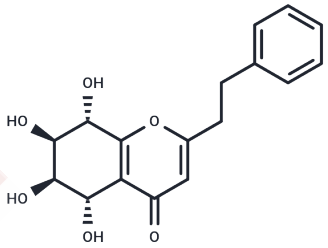
Data Sheet (Cat.No.T2O2770)

TargetMol

Agarotetrol

Chemical Properties



CAS No. : 69809-22-9

Formula: C17H18O6

Molecular Weight: 318.32

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	Agarotetrol is a flavonoid derivative isolated from agarwood.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 150 mg/mL (471.22 mM),Sonication is recommended. H2O: 25 mg/mL (78.54 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.28 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1415 mL	15.7075 mL	31.4149 mL
5 mM	0.6283 mL	3.1415 mL	6.283 mL
10 mM	0.3141 mL	1.5707 mL	3.1415 mL
50 mM	0.0628 mL	0.3141 mL	0.6283 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

Sugiyama T, et al. Three new 5,6,7,8-tetrahydroxy-5,6,7,8-tetrahydrochromone derivatives enantiomeric to agarotetrol from agarwood. J Nat Med. 2018 Jun;72(3):667-674.

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