

Deapioplatycodin D

Chemical Properties

CAS No. : 78763-58-3

Formula: C52H84O24

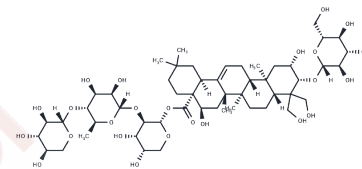
Molecular Weight: 1093.21

Keep away from direct sunlight, Keep away from moisture

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	Deapioplatycodin D and platycodin D can regulate the production and secretion of airway mucin and, at least in part, explains the traditional use of aqueous extract of APG as expectorants in diverse inflammatory pulmonary diseases. Deapi-platycodin D has anti-inflammatory activity.
Targets(IC50)	HCV Protease

Solubility Information

Solubility	DMSO: 60 mg/mL (54.88 mM), Sonication is recommended. Pyridine, Methanol, etc.: Soluble, Ethanol: Soluble, (< 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 (1.83 mM), Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9147 mL	4.5737 mL	9.1474 mL
5 mM	0.1829 mL	0.9147 mL	1.8295 mL
10 mM	0.0915 mL	0.4574 mL	0.9147 mL
50 mM	0.0183 mL	0.0915 mL	0.1829 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

Jeong EK., et al. Glycosylated platycosides: identification by enzymatic hydrolysis and structural determination by LC-MS/MS. J Sep Sci. 2014 Jan;37(1-2):61-8.

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