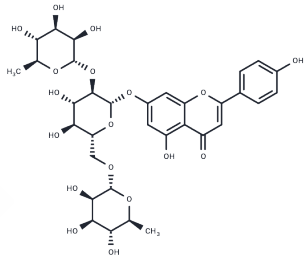
Data Sheet (Cat.No.T3802)

TargetMol

Ligustroflavone

Chemical Properties



CAS No. : 260413-62-5

Formula: C33H40O18

Molecular Weight: 724.66

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	Ligustroflavone (Nuezhenoside) has anti-inflammatory activity.
Targets(IC50)	MLK,CaSR,RIP kinase,TGF-beta/Smad

Solubility Information

Solubility	DMSO: 132.5 mg/mL (182.84 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 (2.76 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	1.380 mL	6.8998 mL	13.7996 mL
5 mM	0.276 mL	1.380 mL	2.7599 mL
10 mM	0.138 mL	0.690 mL	1.380 mL
50 mM	0.0276 mL	0.138 mL	0.276 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

Pieroni A,et al. Isolation and structure elucidation of ligustroflavone, a new apigenin triglycoside from the leaves of Ligustrum vulgare L. Pharmazie. 2000 Jan;55(1):78-80.
Pieroni A,et al. Studies on anti-complementary activity of extracts and isolated flavones from Ligustrum vulgare and Phillyrea latifolia leaves (Oleaceae). J Ethnopharmacol. 2000 Jun;70(3):213-7.

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