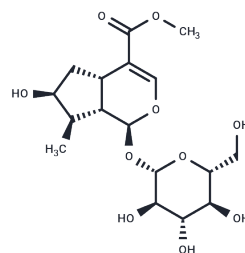


Loganin

Chemical Properties

CAS No. :	18524-94-2
Formula:	C ₁₇ H ₂₆ O ₁₀
Molecular Weight:	390.38
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Loganin (Loganoside), an iridoid glucoside, has been reported to be an inhibitor of Cox-1 and also noted to suppress TNF- α formation. This compound also has displayed potent free-radical-scavenging activity and inhibitory effects on melanogenesis.
Targets(IC ₅₀)	Apoptosis,NF- κ B,BACE,AChR,Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 50 mg/mL (128.08 mM),Sonication is recommended. H ₂ O: 20 mg/mL (51.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5616 mL	12.808 mL	25.6161 mL
5 mM	0.5123 mL	2.5616 mL	5.1232 mL
10 mM	0.2562 mL	1.2808 mL	2.5616 mL
50 mM	0.0512 mL	0.2562 mL	0.5123 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

Liu K, et al. Life Sci. 2015 Feb 15;123:78-85.

Zhang J, Peng J, Zhang T, et al. Identification of the Main Chemical constituents and mechanism of Renshen Guben oral liquid against Renal Fibrosis.Chinese Medicine.2023, 18(1): 1-14.

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:36 Washington Street,Wellesley Hills,MA 02481