

Neonuezhenide

Chemical Properties

CAS No. : 96382-91-1

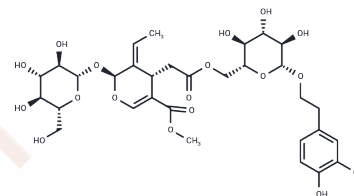
Formula: C₃₁H₄₂O₁₈

Molecular Weight: 702.65

Keep away from direct sunlight

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	Neonuezhenide is a phenolic compound isolated from <i>Ligustrum officinale</i> , which has strong antioxidant effects on free radical-induced hemolysis of red blood cells.
Targets(IC50)	Antioxidant
In vitro	The ethanol extract of the fruits of <i>Ligustrum lucidum</i> was shown to have inhibitory effects on the hemolysis of red blood cells induced by 2,2'-azo-bis-(2-amidinopropane) dihydrochloride. The bioassay-guided analysis led to the isolation of ten secoiridoid glucosides. Two of them were new, lucidumosides C and D. Their structures were elucidated by spectroscopic methods. The other eight compounds were identified as oleoside dimethyl ester, ligustroside, oleuropein, nuezhenide, isonuezhenide, Neonuezhenide, lucidumoside A, and lucidumoside B.[1]

Solubility Information

Solubility	DMSO: 50 mg/mL (71.16 mM), Sonication is recommended. H ₂ O: 50 mg/mL (71.16 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4232 mL	7.1159 mL	14.2318 mL
5 mM	0.2846 mL	1.4232 mL	2.8464 mL
10 mM	0.1423 mL	0.7116 mL	1.4232 mL
50 mM	0.0285 mL	0.1423 mL	0.2846 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

He ZD, et al. Antioxidative glucosides from the fruits of *Ligustrum lucidum*. Chem Pharm Bull (Tokyo). 2001;49(6): 780-784.

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