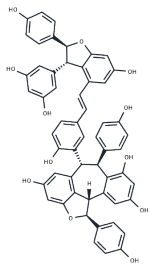
Data Sheet (Cat.No.TN6218)

TargetMol

Vitisin A

Chemical Properties



CAS No. : 142449-89-6

Formula: C56H42O12

Molecular Weight: 906.93

Storage: Store at -20°C
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Vitisin A ((+)-Vitisin A) is a resveratrol tetramer that can be isolated from the roots of Vitis vinifera and possesses antioxidant, anticancer, antiapoptotic, neuroprotective, and anti-inflammatory activities.It ameliorates the impaired learning and memory functions of scopolamine-induced amnesia in ICR mice, and can be used in the study of degenerative diseases.
Targets(IC50)	Apoptosis,ERK,Antioxidant,NF-κB

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1026 mL	5.5131 mL	11.0262 mL
5 mM	0.2205 mL	1.1026 mL	2.2052 mL
10 mM	0.1103 mL	0.5513 mL	1.1026 mL
50 mM	0.0221 mL	0.1103 mL	0.2205 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

Mi Jeong Sung, et al. Vitisin A suppresses LPS-induced NO production by inhibiting ERK, p38, and NF-kappaB activation in RAW 264.7 cells. Int Immunopharmacol. 2009 Mar;9(3):319-23.

Kim SH, et al. Vitisin A inhibits adipocyte differentiation through cell cycle arrest in 3T3-L1 cells. Biochem Biophys Res Commun. 2008 Jul 18;372(1):108-13.

Choi J, et al. The central administration of vitisin a, extracted from Vitis vinifera, improves cognitive function and related signaling pathways in a scopolamine-induced dementia model. Biomed Pharmacother. 2023 Jul;163: 114812.

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