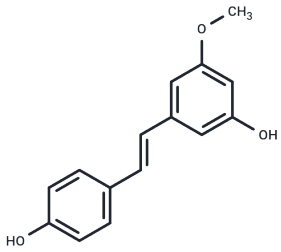
Data Sheet (Cat.No.T3755)

TargetMol

Pinostilbene

Chemical Properties



CAS No. : 42438-89-1

Formula: C15H14O3

Molecular Weight: 242.27

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	Pinostilbene obviously attenuates the phosphorylation of c-Jun and JNK triggered by 6-OHDA.
Targets(IC50)	Others,Drug Metabolite

Solubility Information

Solubility	DMSO: 245 mg/mL (1011.27 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 (8.26 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	4.1276 mL	20.6381 mL	41.2763 mL
5 mM	0.8255 mL	4.1276 mL	8.2553 mL
10 mM	0.4128 mL	2.0638 mL	4.1276 mL
50 mM	0.0826 mL	0.4128 mL	0.8255 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

Chao J,et al.Protective effects of pinostilbene, a resveratrol methylated derivative, against 6-hydroxydopamine-induced neurotoxicity in SH-SY5Y cells. 2010 Jun;21(6):482-9.

Jiang L, Yin R, Zheng Q, et al. High-resolution mass spectrometry-based methodology for the identification of the metabolites of pterostilbene produced by rat, dog and human hepatocytes. Biomedical Chromatography. 2021: e5138.

Jiang, Lingyan, et al. High Resolution Mass Spectrometry-Based Methodology for the Identification of the Metabolites of Pterostilbene Produced by Rat, Dog and Human Hepatocytes.. Biomedical Chromatography. (2021): e5138.

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