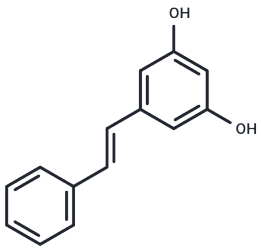
Data Sheet (Cat.No.T3843)

TargetMol

Pinosylvin

Chemical Properties



CAS No. : 22139-77-1

Formula: C14H12O2

Molecular Weight: 212.24

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Pinosylvin (5-Styrylresorcinol) induces autophagy via AMPK activation. Pinosylvin is likely to act as a pro-angiogenic factor.
Targets(IC50)	Apoptosis,Antibacterial,Autophagy

Solubility Information

Solubility	DMSO: 50 mg/mL (235.58 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7116 mL	23.5582 mL	47.1165 mL
5 mM	0.9423 mL	4.7116 mL	9.4233 mL
10 mM	0.4712 mL	2.3558 mL	4.7116 mL
50 mM	0.0942 mL	0.4712 mL	0.9423 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

Park J, et al. Pinosylvin at a high concentration induces AMPK-mediated autophagy for preventing necrosis in bovine aortic endothelial cells. Can J Physiol Pharmacol. 2014 Dec;92(12):993-9.

Yeo SC, et al. Quantification of pinosylvin in rat plasma by liquid chromatography-tandem mass spectrometry: application to a pre-clinical pharmacokinetic study. J Chromatogr B Analyt Technol Biomed Life Sci. 2013 Jul 15; 931:68-74.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481