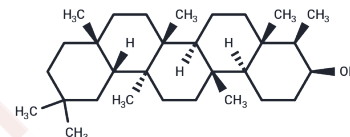


Epifriedelanol

Chemical Properties

CAS No. :	16844-71-6
Formula:	C ₃₀ H ₅₂ O
Molecular Weight:	428.73
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Epifriedelanol (Epifriedelinol) suppresses adriamycin-induced cellular senescence, replicative senescence in human fibroblasts (HDFs) and HUVECs. Because of Epifriedelanol can reduce cellular senescence in human primary cells, it may be used to develop dietary supplements or cosmetics that modulate tissue aging or aging-associated diseases.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 0.71 mg/mL (1.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3325 mL	11.6624 mL	23.3247 mL
5 mM	0.4665 mL	2.3325 mL	4.6649 mL
10 mM	0.2332 mL	1.1662 mL	2.3325 mL
50 mM	0.0466 mL	0.2332 mL	0.4665 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

Yang HH., et al. Epifriedelanol from the root bark of *Ulmus davidiana* inhibits cellular senescence in human primary cells. *Planta Med.* 2011 Mar;77(5):441-9.

Kundu JK., et al. Antitumor activity of epifriedelanol from *Vitis trifolia*. *Fitoterapia.* 2000 Sep;71(5):577-9.

Jia LY., et al. A new cycloartane nortriterpenoid from stem and leaf of *Quercus variabilis*. *J Asian Nat Prod Res.* 2013 Sep;15(9):1050-4.

Cai J., et al. Potent protein tyrosine phosphatase 1B (PTP1B) inhibiting constituents from *Anoectochilus chapaensis* and molecular docking studies. *Pharm Biol.* 2015 Jul;53(7):1030-4.

Wang, Y. et al.: *Spectrochim Acta A Mol Biomol. Spectrosc.*, 153, 645 (2016)

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