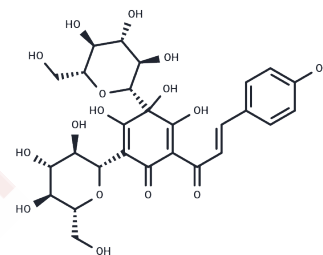


Hydroxysafflor yellow A

Chemical Properties

CAS No. :	78281-02-4
Formula:	C ₂₇ H ₃₂ O ₁₆
Molecular Weight:	612.53
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	Hydroxysafflor yellow A (Safflomin A) inhibits adipogenesis by increasing HSL promoter activities, effectively protects the liver from long-term alcohol injury by enhancing antioxidant capacity and inhibiting the expression of TGF- β , prevents steroid-induced avascular necrosis of the femoral head by inhibiting primary bone marrow-derived mesenchymal stromal cells, and exhibits anti-tumor effects.
Targets(IC50)	TGF-beta/Smad

Solubility Information

Solubility	H ₂ O: 10 mg/mL (16.33 mM), Sonication is recommended. DMSO: 50 mg/mL (81.63 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6326 mL	8.1629 mL	16.3257 mL
5 mM	0.3265 mL	1.6326 mL	3.2651 mL
10 mM	0.1633 mL	0.8163 mL	1.6326 mL
50 mM	0.0327 mL	0.1633 mL	0.3265 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

Zhu HJ, et al. Cytotechnology. 2015 Oct;67(5):885-92.

Miao T, Qian L, Yu F, et al. Protective effects of hydroxysafflor yellow an on high oxidized low density lipoprotein induced human coronary artery endothelial cells injuries. Development. 2019, 22: 581-589

Yang F, et al. Eur J Pharmacol. 2015 May 5;754:105-14.

He Y, et al. J Physiol Biochem. 2015 Mar;71(1):69-78.

Liu YL, et al. Int Immunopharmacol. 2014 Dec;23(2):649-57.

Jin M, et al. Hydroxysafflor yellow A attenuate lipopolysaccharide-induced endothelium inflammatory injury. Chin J Integr Med. 2015 May 27.

Miao T, Qian L, Yu F, et al. Protective effects of hydroxysafflor yellow an on high oxidized low density lipoprotein induced human coronary artery endothelial cells injuries. development. 2019, 22: 581-589.

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