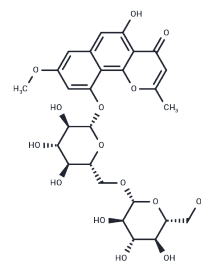


Isorubrofusarin-6-O- β -gentiobioside

Chemical Properties

CAS No. :	200127-93-1
Formula:	C ₂₇ H ₃₂ O ₁₅
Molecular Weight:	596.53
Appearance:	no data available
Storage:	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Isorubrofusarin-6-O- β -gentiobioside is derived from from <i>Cassia obtusifolia</i> Linn seeds and shows promising inhibitory activity against AChE and BACE1.
Targets(IC ₅₀)	BACE,AChR
In vitro	The SARs results emphasized the importance of gentiobiosyl moiety in Isorubrofusarin-6-O- β -gentiobioside for AChE inhibition, whereas the presence of hydroxyl group at C-8 and the glucosyl moiety at the C-6 position in the Isorubrofusarin-6-O- β -gentiobioside appeared to largely determine BACE1 inhibition[1].

Solubility Information

Solubility	DMSO: 3 mg/mL (5 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6764 mL	8.3818 mL	16.7636 mL
5 mM	0.3353 mL	1.6764 mL	3.3527 mL
10 mM	0.1676 mL	0.8382 mL	1.6764 mL
50 mM	0.0335 mL	0.1676 mL	0.3353 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

- Shrestha S, et al. Structure Related Inhibition of Enzyme Systems in Cholinesterases and BACE1 In Vitro by Naturally Occurring Naphthopyrone and Its Glycosides Isolated from *Cassia obtusifolia*. *Molecules*. 2017 Dec 28;23(1):69.
- H J Lee, et al. A rubrofusarin gentiobioside isomer from roasted *Cassia tora*. *Arch Pharm Res*. 1997 Oct;20(5):513-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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