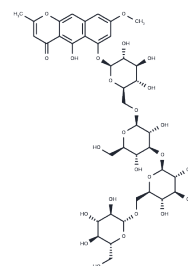


Cassiaside B2

Chemical Properties

CAS No. :	218155-40-9
Formula:	C39H52O25
Molecular Weight:	920.82
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Cassiaside B2 is an inhibitor of protein tyrosine phosphatase 1B (PTP1B) and human monoamine oxidase A (hMAO-A). Cassiaside B2 is an agonist of the 5-HT _{2C} receptor with anti-allergic activity. Cassiaside B2 is one of the active ingredients in the naphthylpyrone reference extract (NRE).
Targets(IC50)	MAO,5-HT Receptor, Monoamine Oxidase, Phosphatase

Solubility Information

Solubility	DMSO: 50 mg/mL (54.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.086 mL	5.4299 mL	10.8599 mL
5 mM	0.2172 mL	1.086 mL	2.172 mL
10 mM	0.1086 mL	0.543 mL	1.086 mL
50 mM	0.0217 mL	0.1086 mL	0.2172 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

Paudel P, et al. Rubrofusarin as a Dual Protein Tyrosine Phosphate 1B and Human Monoamine Oxidase-A Inhibitor: An in Vitro and in Silico Study. ACS Omega. 2019 Jul 3;4(7):11621-11630.

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Yuen H, et al. Mechanisms of Action of Cassiae Semen for Weight Management: A Computational Molecular Docking Study of Serotonin Receptor 5-HT_{2C}. Int J Mol Sci. 2020;21(4):1326.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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