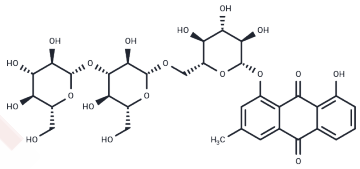
Data Sheet (Cat.No.T38587)

TargetMol

Chrysophanol triglucoside

Chemical Properties



CAS No. : 120181-07-9

Formula: C33H40O19

Molecular Weight: 740.664

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Chrysophanol triglucoside, an anthraquinone derivative obtained from Cassia obtusifolia, demonstrates inhibitory activity against protein tyrosine phosphatases 1B (PTP1B) and α-glucosidase, with half-maximal inhibitory concentration (IC50) values of 80.17 μM and 197.06 μM, respectively. This compound exhibits potential for diabetes research.
Targets(IC50)	Others,Glucosidase,glycosidase,Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3501 mL	6.7507 mL	13.5015 mL
5 mM	0.270 mL	1.3501 mL	2.7003 mL
10 mM	0.135 mL	0.6751 mL	1.3501 mL
50 mM	0.027 mL	0.135 mL	0.270 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

Jung HA, et, al. Promising Inhibitory Effects of Anthraquinones, Naphthopyrone, and Naphthalene Glycosides, from Cassia obtusifolia on α-Glucosidase and Human Protein Tyrosine Phosphatases 1B. Molecules. 2016 Dec 27; 22(1): 28.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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