Product Data Sheet

Product Name: Chrysophanol triglucoside
Cat. No.: GC60706

Chemical Properties

Cas. No.	120181-07-9		
SMILES	O=C(C1=C2O)C(C(C(C1=CC=C2)=O)=CC(C)=C3)=C3O[C@@H]([C@@H]([C@H]4O)O)O[C@@H]([C@H]4O)CO[C@H](O[C@@H]5CO)[C@@H]([C@H]([C@@H]5O)O[C@@H]([C@@H]([C@H]6O)O)O[C@@H]([C@H]6O)CO)O		
Formula	$C_{33}H_{40}O_{19}$	M.Wt	740.66
Solubility		Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	Chrysophanol triglucoside		

Background

Chrysophanol triglucoside is an anthraquinone isolated from Cassia obtusifolia, inhibits protein tyrosine phosphatases 1B (PTP1B) and α-glucosidase with IC50s of 80.17 and 197.06 μM, respectively. Chrysophanol triglucoside has the potential for diabetes research[1].

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.
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