
Product Data Sheet

Product Name: Emodin-1-O-β-D-glucopyranoside

Cat. No.: GC60151

Chemical Properties

Cas. No. 38840-23-2

SMILES O=C1C2=C(C=C(O)C=C2O)C(C3=CC(C)=CC(O[C@H]4[C@@H]([C@H]([C@@H]([C@@H](CO)O4)O)O)O)=C13)=OFormula C₂₁H₂₀O₁₀

M.Wt 432.38

Solubility DMSO : ≥ 100 mg/mL (231.28 mM)

Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C 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 **Background**

Emodin-1-O-β-D-glucopyranoside, isolated from medicinal plant *Polygonum cuspidatum* Sieb. & Zucc, is a potent and noncompetitive bacterial neuraminidase (BNA) inhibitor with an IC₅₀ of 0.85 μM[1].

[1]. Uddin Z, et al. Potent bacterial neuraminidase inhibitors, anthraquinone glucosides from *Polygonumcuspidatum* and their inhibitory mechanism. *J Ethnopharmacol.* 2016 Dec 4;193:283-292.

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

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