
Product Data Sheet

Product Name: Aloe-emodin-8-O-β-D-glucopyranoside

Cat. No.: GC35298

Chemical Properties

Cas. No. 33037-46-6

SMILES O=C(C1=CC(CO)=CC(O)=C1C2=O)C3=C2C(O[C@@H]4O[C@@H]([C@@H](O)[C@H](O)[C@H]4O)CO)=CC=C3Formula C₂₁H₂₀O₁₀

M.Wt 432.38

Solubility DMSO : 50 mg/mL (115.64 mM; Need ultrasonic) Storage Store at -20°C

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**

Aloe-emodin-8-O-β-D-glucopyranoside, a compound isolated from Saussurea lappa, is a moderate inhibitor of human protein tyrosine phosphatase 1B (hPTP1B) with an IC₅₀ of 26.6 μM[1]. IC₅₀:26.6 μM (hPTP1B)[1]

[1]. Li S, et al. PTP1B inhibitors from Saussurea lappa. J Asian Nat Prod Res. 2006 Apr-May;8(3):281-6.

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

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