
Product Data Sheet

Product Name: Mauritianin

Cat. No.: GC36549

Chemical Properties

Cas. No. 109008-28-8

SMILES O=C1C(O[C@H]2[C@@H]([C@H]([C@@H](O)[C@@H](CO[C@H]3[C@@H]([C@@H]([C@@H](O)[C@H](C)O3)O)O)O2)O)[C@@]4([H])[C@@H]([C@@H]([C@@H](O)[C@H](C)O4)O)O)=C(C5=CC=C(O)C=C5)OC6=CC(O)=CC(O)=C61

Formula C₃₃H₄₀O₁₉

M.Wt

740.66

Solubility Soluble in DMSO

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**

Mauritianin is a flavonoid glycoside that has been found in *R. anguifera* and is a DNA topoisomerase I inhibitor.¹ It stabilizes the covalent complex between DNA and recombinant human topoisomerase I when used at a concentration of 100 μM.

1. Ma, J., Jones, S.H., Marshall, R.A., et al. DNA topoisomerase I inhibitors from *Rinorea anguifera* Bioorg. Med. Chem. Lett. 15(3)813-816(2005)

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

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