
Product Data Sheet

Product Name: Mirificin
 Cat. No.: GC38818

Chemical Properties

Cas. No. 103654-50-8

SMILES OC1=CC=C2C(OC=C(C3=CC=C(O)C=C3)C2=O)=C1[C@@H]([C@@H]([C@@H](O)[C@@H]4O)O)[C@@H]4CO[C@H](OC[C@]5(O)CO)[C@@H]5O

Formula C₂₆H₂₈O₁₃ M.Wt 548.49

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

Mirificin (Puerarin apioside) is a isoflavone in Puerariae Lobatae Radix. Mirificin inhibits tyrosinase (TYR) with an IC₅₀ of 12.66 μM[1].

[1]. Liu H, et al. Enzyme-Site Blocking Combined with Optimization of Molecular Docking for Efficient Discovery of Potential Tyrosinase Specific Inhibitors from Puerariae lobatae Radix. *Molecules*. 2018 Oct 11;23(10).

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

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