
Product Data Sheet

Product Name: Mulberroside F

Cat. No.: GC36663

Chemical Properties

Cas. No. 193483-95-3

SMILES OC[C@H]([C@@H](O)[C@H](O)[C@H]1O)O[C@H]1OC2=CC3=C(C=C2)C=C(O3)C4=CC(O[C@@H]5O[C@@H]([C@@H](O)[C@H](O)[C@H]5O)CO)=CC(O)=C4

Formula C₂₆H₃₀O₁₄ M.Wt 566.51

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**

Mulberroside F is one of the main bioactive constituents in mulberry (*Morus alba* L.)[1]. Mulberroside F shows inhibitory effects on tyrosinase activity and on the melanin formation. Mulberroside F also exhibits superoxide scavenging activity that is involved in the protection against auto-oxidation[2].

[1]. Mei M, et al. In vitro pharmacokinetic characterization of mulberroside A, the main polyhydroxylated stilbene in mulberry (*Morus alba* L.), and its bacterial metabolite oxyresveratrol in traditional oral use. *J Agric Food Chem.* 2012 Mar 7;60(9):2299-308.

[2]. Lee SH, et al. Mulberroside F isolated from the leaves of *Morus alba* inhibits melanin biosynthesis. *Biol Pharm Bull.* 2002 Aug;25(8):1045-8.

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

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