

Product Data Sheet

Product Name: Methylophiopogonanone B

Cat. No.: GC36599

Chemical Properties

Cas. No. 74805-91-7

SMILES O=C1[C@H](CC2=CC=C(OC)C=C2)COC3=C(C)C(O)=C(C)C(O)=C13

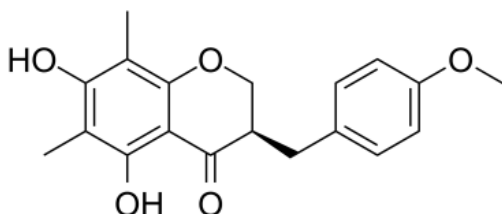
Formula $C_{19}H_{20}O_5$ M.Wt 328.36

Solubility DMSO: 10 mM Storage Store at -20°C, protect from light

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

Methylophiopogonanone B, homoisoflavonoid, is extracted from the root of *Ophiopogon japonicus*, shows high antioxidant ability[1]. Methylophiopogonanone B increases GTP-Rho and acts via the Rho signaling pathway, inducing cell morphological change via actin cytoskeletal reorganization, including dendrite retraction and stress fiber formation[2].

[1]. Wang Y, et al. Homoisoflavonoids and the Antioxidant Activity of *Ophiopogon japonicus* Root. [2].

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

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Ito Y, et al. A novel agent, methylophiopogonanone B, promotes Rho activation and tubulin depolymerization. Mol Cell Biochem. 2007 Mar;297(1-2):121-9. Epub 2006 Oct 7.

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