

Product Data Sheet

Product Name: Meranzin

Cat. No.: GC60243

Chemical Properties

Cas. No. 23971-42-8

SMILES COC1=CC=C(C=C2)C(OC2=O)=C1C[C@H](O3)C3(C)C

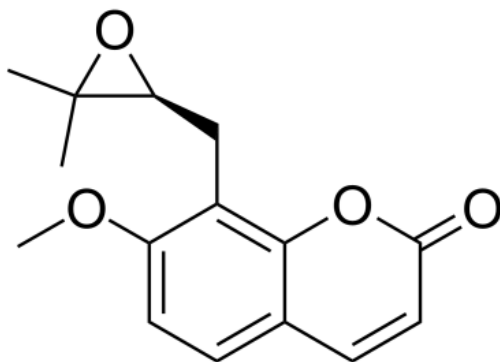
Formula $C_{15}H_{16}O_4$ M.Wt 260.29

Solubility DMSO : 100 mg/mL (384.19 mM; Need ultrasonic) Storage Store at 2-8°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

Meranzin is an absorbed bioactive compound from the Traditional Chinese Medicine (TCM) Chaihu-Shugan-San (CSS). Meranzin, isolated from leaves of *Murraya exotica* L., regulates the shared α 2-adrenoceptor and involves the AMPA-ERK1/2-BDNF signaling pathway. Meranzin has the potential

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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for the prevention of the comorbidity of atherosclerosis and depression[1][2].

[1]. Lan Li, et al. Chaihu-Shugan-San and Absorbed Meranzin Hydrate Induce Anti-Atherosclerosis and Behavioral Improvements in High-Fat Diet ApoE -/- Mice via Anti-Inflammatory and BDNF-TrkB Pathway. Biomed Pharmacother. 2019 Jul;115:108893. [2]. Rongwei Yan, et al. Preparative Isolation and Purification of Hainanmurpanin, Meranzin, and Phebalosin From Leaves of Murraya Exotica L. Using Supercritical Fluid Extraction Combined With Consecutive High-Speed Countercurrent Chromatography. J Sep Sci. 2018 May;41(9):2092-2101.

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