

Product Data Sheet

Product Name: Neorauflavane

Cat. No.: GC74272

Chemical Properties

Cas. No. 53734-74-0

Formula $C_{21}H_{22}O_5$

M.Wt 354.4

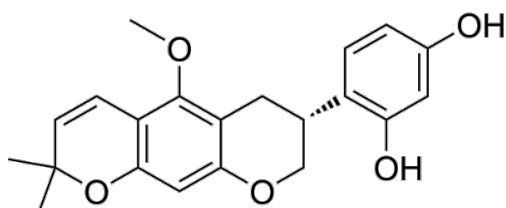
Solubility

Storage -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

Neorauflavane is a potent tyrosinase inhibitor derived from *Campylotropis hirtella*, with an IC₅₀ value of 30 nM for tyrosinase monophenolase activity and an IC₅₀ value of 500 nM for diphenolase activity. Neorauflavane can effectively reduce the melanin content of B16 melanoma cells.

References:

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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[1]. Xuefei Tan, et al. Highly potent tyrosinase inhibitor, neorauflavane from *Campylotropis hirtella* and inhibitory mechanism with molecular docking. *Bioorg Med Chem*. 2016 Jan 15;24(2):153-9.

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