

Product Data Sheet

Product Name: Viscumneoside III

Cat. No.: GF00237

Chemical Properties

Cas. No. 118985-27-6

Formula C₂₇H₃₂O₁₅

M.Wt 596.534

Solubility

Storage Store at RT

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

Viscumneoside III, a dihydroflavone O-glycoside, is a potent tyrosinase inhibitor with an IC₅₀ of 0.5 mM. Viscumneoside III has anti-angina pectoris.

Viscumneoside III (1.0 mg/mL) has the inhibition activity on tyrosinase of 77%. Viscumneoside III is used as a material for cosmetics with whitening function^[1].

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

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[1]. LeiZou, et al. Total synthesis of viscumneoside III of Viscum coloratum. Tetrahedron, Volume 74, Issue 19, 10 May 2018, Pages 2376-2382.

[2]. Se-Hui Jung, et al. Velutin, an Aglycone Extracted from Korean Mistletoe, with Improved Inhibitory Activity against Melanin Biosynthesis. Molecules. 2019 Jul 12;24(14):2549.

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