

Viscumneoside III

Chemical Properties

CAS No. : 118985-27-6

Formula: C₂₇H₃₂O₁₅

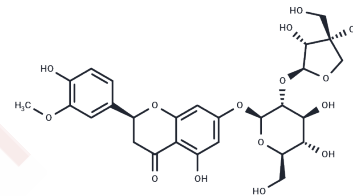
Molecular Weight: 596.53

Storage:

Store at low temperature, Keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Viscumneoside III, a dihydroflavone O-glycoside, is a potent tyrosinase inhibitor with an IC ₅₀ of 0.5 mM, and has anti-angina pectoris properties.
Targets(IC ₅₀)	Tyrosinase
In vitro	Viscumneoside III, at a concentration of 1.0 mg/mL, exhibits a 77% inhibition activity on tyrosinase, positioning it as a potent ingredient for the formulation of whitening cosmetics[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6764 mL	8.3818 mL	16.7636 mL
5 mM	0.3353 mL	1.6764 mL	3.3527 mL
10 mM	0.1676 mL	0.8382 mL	1.6764 mL
50 mM	0.0335 mL	0.1676 mL	0.3353 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481