

Product Data Sheet

Product Name: Kaempferol 3-O-gentiobioside

Cat. No.: GC36375

Chemical Properties

Cas. No. 22149-35-5

SMILES O=C1C(O[C@H]2[C@@H]([C@H]([C@@H]([C@@H](CO[C@H]3[C@@H]([C@H]([C@@H]([C@@H](CO)O3)O)O)O2)O)O)=C(C4=CC=C(O)C=C4)OC5=CC(O)=CC(O)=C15

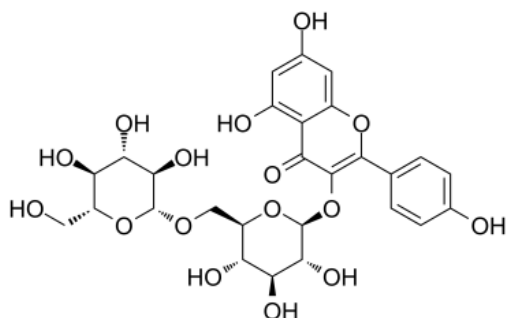
Formula $C_{27}H_{30}O_{16}$ M.Wt 610.52

Solubility DMSO : 50 mg/mL (81.90 mM; Need ultrasonic) Storage Store at -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

Kaempferol 3-O-gentiobioside is a flavonoid isolated from *C. alata* leaves with antidiabetic activity. Kaempferol 3-O-gentiobioside possesses activity against α -glucosidase and displays carbohydrate enzyme inhibitory effect with an IC_{50} of 50.0 μ M[1].

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

Product Data Sheet

[1]. Varghese GK, et al. Antidiabetic components of Cassia alata leaves: identification through α -glucosidase inhibition studies. Pharm Biol. 2013 Mar;51(3):345-9.

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