
Product Data Sheet

Product Name: Kaempferol 3-O-sophoroside

Cat. No.: GC36376

Chemical Properties

Cas. No. 19895-95-5

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

Formula C₂₇H₃₀O₁₆

M.Wt 610.52

Solubility DMSO : ≥ 100 mg/mL (163.79 mM)

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-sophoroside, a derivative of Kaempferol, is isolated from the leaves of cultivated mountain ginseng (*Panax ginseng*) with anti-inflammatory effects[1].

Kaempferol 3-O-sophoroside possesses barrier integrity activity, inhibitory activity on cell adhesion and migration to endothelial cells by blocking the activation of NF-κB expression and production of TNF-α, thereby endorsing its usefulness as therapy for vascular inflammatory diseases[1].

[1]. Kim TH, et al. Anti-inflammatory effects of kaempferol-3-O-sophoroside in human endothelial cells. *Inflamm Res.* 2012 Mar;61(3):217-24.

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
