

---

## Product Data Sheet

---

Product Name: Quercetin 3-gentiobioside

Cat. No.: GC37053

### Chemical Properties

Cas. No. 7431-83-6

SMILES O=C1C(O[C@@H]2O[C@@H]([C@@H](O)[C@H](O)[C@H]2O)CO[C@@H]3O[C@@H]([C@@H](O)[C@H](O)[C@H]3O)CO)=C(C4=CC(O)=C(O)C=C4)OC5=CC(O)=CC(O)=C51

Formula  $C_{27}H_{30}O_{17}$  M.Wt 626.52

Solubility DMSO : 100 mg/mL (159.61 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

Quercetin 3-gentiobioside is isolated from *A. iwayomogi*, AR and AGE formation inhibitor, demonstrates biological activities against Aldose reductase (AR) and the formation of advanced glycation endproducts (AGEs)[1].

[1]. Lee YK, et al. Inhibitory Effect of Chemical Constituents Isolated from *Artemisia iwayomogi* on Polyol Pathway and Simultaneous Quantification of Major Bioactive Compounds. *Biomed Res Int.* 2017;2017:7375615.

**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