
Product Data Sheet

Product Name: Regaloside C

Cat. No.: GC61236

Chemical Properties

Cas. No. 117591-85-2

SMILES O[C@H](COC(/C=C/C(C=C1)=CC(O)=C1O)=O)CO[C@@H]([C@@H]([C@H]2O)O)O[C@@H]([C@H]2O)COFormula C₁₈H₂₄O₁₁

M.Wt 416.38

Solubility DMSO : 100 mg/mL (240.17 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**

Regaloside C is a glycerol glucoside isolated from the bulbs of Liliium genus with anti-inflammatory activities. Regaloside C has cardiomyocyte protective activity by protecting the mitochondria in H₂O₂-induced heart H9C2 cells[1].

[1]. Nhan Nguyen Thi, et al. Phenylpropanoids from Liliium Asiatic hybrid flowers and their anti-inflammatory activities. Applied Biological Chemistry volume 60, pages527-533(2017) [2]. KunchengQiu, et al. Protective effect of total glycosides from lily on H₂O₂-induced H9C2 cells mitochondrial damage and characterization of the chemical profiles by UHPLC-LTQ-Orbitrap-MSn. Journal of Functional Foods. Volume 71, August 2020, 104036

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

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