

Product Data Sheet

Product Name: Regaloside A

Cat. No.: GD20805

Chemical Properties

Cas. No. 114420-66-5

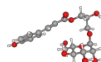
Formula C₁₈H₂₄O₁₀ M.Wt 400.38

Solubility DMSO : 100 mg/mL (249.76 mM; Storage 2-8°C
Need ultrasonic)

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure



Background

Regaloside A, a phenylpropanoid, shows significant DPPH radical scavenging activity of 58.0% at 160 ppm. Regaloside A has anti-inflammatory activity.

Regaloside A (50 渭g/mL; 2 hours) inhibits the expression of iNOS to 70.3 decreasing COX-2 expression to 131.6 in Raw 264.7 cells treated with LPS (1 渭g/ml; pretreatment for 15 min).

Regaloside A decreases the ratio of p-p65/p-65 to 40.7^[1].

Regaloside A (50 渭g/mL; pretreatment for 2 hours) decreases the expression of VCAM-1 to 48.6 in HASMCs with TNF-a (10 ng/ml; for 12 h)^[1].

[1]. Nhan Nguyen Thi, et al. Phenylpropanoids from Lilium Asiatic hybrid flowers and their anti-inflammatory activities. Appl Biol Chem (2017) 60(5):527-533.

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

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