
Product Data Sheet

Product Name: Gypsogenin-3-O-glucuronide

Cat. No.: GC38792

Chemical Properties

Cas. No. 96553-02-5

SMILES O[C@H]([C@H]([C@@H]([C@@H](C(OC)=O)O1)O)O)[C@@H]1O[C@H]2CC[C@]3(C)[C@@]4([H])CC=C5[C@]6([H])CC(C)(C)CC[C@]6(C(O)=O)CC[C@](C)5[C@@](C)4CC[C@@]3([H])[C@]2(C)C=O

Formula C₃₇H₅₆O₁₀ M.Wt 660.83

Solubility DMSO : 100 mg/mL (151.32 mM; Need ultrasonic) Storage Store at 2-8°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

Gypsogenin-3-O-glucuronide is a ubiquitous saponin precursor in plants of the genus Gypsophila[1].

Treatment of suspended *G. paniculata* cells with gypsogenin 3,O-glucuronide 24 hours before administration of [¹⁴C]acetate results in a marked reduction in the incorporation of radioactivity into saponins and their precursors but not into sterols and steryl glucosides[1].

[1]. MaxHenry, et al. Effect of gypsogenin 3,O-glucuronide pretreatment of *Gypsophila paniculata* and *Saponaria officinalis* cell suspension cultures on the activities of microsomal 2,3-oxidosqualene cycloartenol and amyirin cyclases. Volume 31, Issue 11, 1992, Pages 3855-3859.

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