

Product Data Sheet

Product Name: Diosgenin glucoside

Cat. No.: GC38408

Chemical Properties

Cas. No. 14144-06-0

SMILES C[C@@]12[C@]([C@@H]3C)([H])[C@](O[C@]34CC[C@@H](C)CO4)([H])C[C@@]1([H])[C@@](CC=C5[C@@]6(CC[C@H](O[C@]([C@@H]([C@@H](O)[C@@H]7O)O)([H])O[C@@H]7CO)C5)C)([H])[C@]6([H])CC2

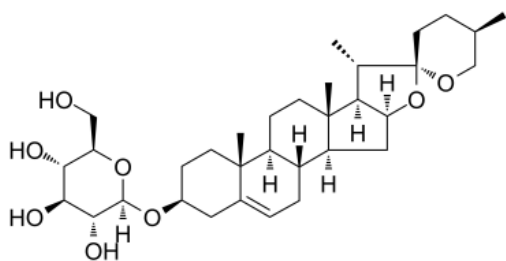
Formula C₃₃H₅₂O₈ M.Wt 576.76

Solubility DMSO : 125 mg/mL (216.73 mM; Storage 4°C, protect from light
Need ultrasonic)

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

Diosgenin glucoside, a saponin compound extracted from *Tritulus terrestris* L., provides neuroprotection by regulating microglial M1 polarization. Diosgenin glucoside protects against spinal cord injury by regulating autophagy and alleviating apoptosis [1][2].

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

Product Data Sheet

- [1]. Int Immunopharmacol. 2017 Sep;50:22-29. doi: 10.1016/j.intimp.2017.06.008. Epub 2017 Jun 14.
- [2]. Chen XB, et al. Diosgenin Glucoside Protects against Spinal Cord Injury by Regulating Autophagy and Alleviating Apoptosis. Int J Mol Sci. 2018 Aug 2;19(8). pii: E2274.

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