
Product Data Sheet

Product Name: 20-Hydroxyganoderic Acid G

Cat. No.: GC35076

Chemical Properties

Cas. No. 400604-12-8

SMILES CC1(C)[C@@H](O)CC[C@]2(C)C3=C([C@@]4(C(C[C@@H]([C@]4([C@H](O)C3=O)C)[C@@](C)(O)CC(CC(C)C(O)=O)=O)=O)C)[C@@H](O)C[C@@]12[H]

Formula C₃₀H₄₄O₉ M.Wt 548.66

Solubility Soluble in DMSO 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**

20-Hydroxyganoderic Acid G is a lanostane triterpenoid obtained from the EtOH extract of fruiting bodies of the *Ganoderma curtisii*. 20-Hydroxyganoderic Acid G inhibits BV-2 microglia cells activated by LPS with an IC₅₀ of 21.33 μM. 20-Hydroxyganoderic Acid G has therapeutic potential in the drug discovery of nerve inflammation diseases associated with microglia activated by LPS[1].

[1]. Jiao Y, et al. Lanostane triterpenoids from *Ganoderma curtisii* and their NO production inhibitory activities of LPS-induced microglia. *Bioorg Med Chem Lett*. 2016 Aug 1;26(15):3556-61.

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

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