

Product Data Sheet

Product Name: Yamogenin

Cat. No.: GC39535

Chemical Properties

Cas. No. 512-06-1

SMILES [H][C@]1(O[C@@]2(OC[C@@H](C)CC2)[C@H]3C)C[C@@]4([H])[C@]5([H])CC=C6C[C@@H](O)CC[C@]6(C)[C@@]5([H])CC[C@]4(C)[C@]13[H]

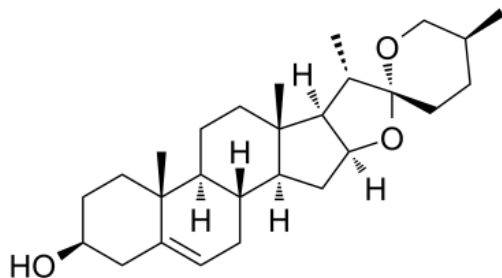
Formula $C_{27}H_{42}O_3$ M.Wt 414.62

Solubility Ethanol: 10 mg/mL (24.12 mM) Storage Store at -20°C

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

Yamogenin (Neodiosgenin) is a diastereomer of diosgenin. Yamogenin (Neodiosgenin) antagonizes the activation of the liver X receptor (LXR) in luciferase ligand assay. Yamogenin (Neodiosgenin) inhibits triacylglyceride (TG) accumulation through the suppression of gene expression of fatty acid synthesis in HepG2 hepatocytes[1].

[1]. Moriwaki S, et al. Yamogenin in fenugreek inhibits lipid accumulation through the suppression of

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

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gene expression in fatty acid synthesis in hepatocytes. *Biosci Biotechnol Biochem.* 2014;78(7):1231-6.

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