

Product Data Sheet

Product Name: Ganoderic acid B

Cat. No.: GC36116

Chemical Properties

Cas. No. 81907-61-1

SMILES C[C@]([C@@]([C@]([C@H](C)CC(C[C@@H](C)C(O)=O)=O)([H])C1)(CC2=O)C)(C1=O)C([C@H](C[C@@]3([H])C4(C)C)O)=C2[C@]3(CC[C@@H]4O)C

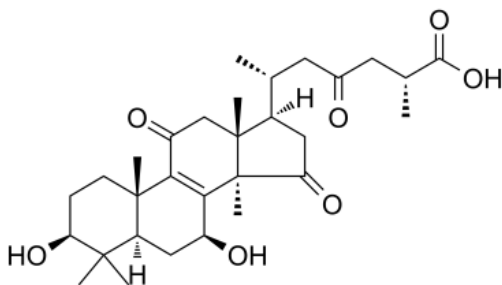
Formula $C_{30}H_{44}O_7$ M.Wt 516.67

Solubility DMSO : 50 mg/mL (96.77 mM; Need ultrasonic) Storage Store at -20°C, protect from light

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

Ganoderic acid B is a triterpene isolated from a mushroom *Ganoderma lucidum*. Ganoderic acid B inhibits the activation of Epstein-Barr virus (EBV) antigens as telomerase inhibitor. Ganoderic acid B is a moderately active inhibitor against HIV-1 protease[1][2][3]. HIV-1 protease[3]

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

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[1]. Zhou S, et al. Triterpenes and Soluble Polysaccharide Changes in Lingzhi or Reishi Medicinal Mushroom, *Ganoderma lucidum* (Agaricomycetes), During Fruiting Growth. *Int J Med Mushrooms*. 2018;20(9):859-871. [2]. Zheng DS, et al. Triterpenoids from *Ganoderma lucidum* inhibit the activation of EBV antigens as telomerase inhibitors. *Exp Ther Med*. 2017 Oct;14(4):3273-3278. [3]. el-Mekkawy S, et al. Anti-HIV-1 and anti-HIV-1-protease substances from *Ganoderma lucidum*. *Phytochemistry*. 1998 Nov;49(6):1651-7.

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