
Product Data Sheet

Product Name: Lucidenic acid B

Cat. No.: GC36488

Chemical Properties

Cas. No. 95311-95-8

SMILES C[C@]12C3=C(C([C@@H](O)[C@@]1([C@]([C@H](C)CCC(O)=O)([H])CC2=O)C)=O)[C@@]4([C@@](C(C)(C(CC4)=O)C)([H])C[C@@H]3O)CFormula C₂₇H₃₈O₇ M.Wt 474.59

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**

Lucidenic acid B is a natural compound isolated from *Ganoderma lucidum*, induces apoptosis of cancer cells, and causes the activation of caspase-9 and caspase-3, and cleavage of PARP. Lucidenic acid B does not affect the cell cycle profile, or the number of necrotic cells[1]. Apoptosis[1]

[1]. Hsu CL, et al. Lucidenic acid B induces apoptosis in human leukemia cells via a mitochondria-mediated pathway. *J Agric Food Chem.* 2008 Jun 11;56(11):3973-80.

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

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