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## Product Data Sheet

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Product Name: Lucideric acid A

Cat. No.: GC36491

**Chemical Properties**

Cas. No. 95311-94-7

SMILES C[C@]12C3=C(C(C[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)C

Formula C<sub>27</sub>H<sub>38</sub>O<sub>6</sub>

M.Wt

458.59

Solubility Acetonitrile: soluble

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 A is a triterpene originally isolated from *G. lucidum* and has anticancer activity.<sup>1,2</sup> It is cytotoxic to HepG2, HepG2 2.2.15', and P388 cancer cells (IC<sub>50</sub>s = 0.164, 0.205, and 17 nM, respectively). Lucidenic acid A inhibits increases in matrix metalloproteinase-2 (MMP-2) and MMP-9 activity and Matrigel? invasion induced by phorbol 12-myristate 13-acetate in HepG2 cells.<sup>2</sup>

1.Wu, T.-S., Shi, L.-S., and Kuo, S.-C.Cytotoxicity of Ganoderma lucidum triterpenesJ. Nat. Prod.64(8)1121-1122(2001) 2.Weng, C.-J., Chau, C.-F., Chen, K.-D., et al.The anti-invasive effect of lucidenic acids isolated from a new Ganoderma lucidum strainMol. Nutr. Food Res.51(12)1472-1477(2007)

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

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