[ **Product Information** ]

**Name:** Lucidenic acid A  
**Catalog No.:** CFN90547  
**Cas No.:** 95311-94-7  
**Purity:** >=98%  
**M.F:** C_{27}H_{38}O_{6}  
**M.W:** 458.59  
**Physical Description:** Powder  
**Synonyms:** Chol-8-en-24-oic acid, 7-hydroxy-4,4,14-trimethyl-3,11,15-trioxo-, (5a,7b)-.

[ **Intended Use** ]

1. Reference standards;  
2. Pharmacological research;  
3. Food research;  
4. Synthetic precursor compounds;  
5. Intermediates & Fine Chemicals;  
6. Others.

[ **Source** ]

The fruit body of *Ganoderma lucidum*.

[ **Biological Activity or Inhibitors** ]
Lucidenic acid-A and -F are modulators of JNK and p38, respectively, they enhance LPS-induced immune responses in moncytic THP-1 cells possibly via the modulation of p38 and JNK MAPKs activation.[1]

Lucidenic acids A, B, C, and N (50 microM) in the presence of 200 nM phorbol 12-myristate 13-acetate (PMA) after 24 h of incubation all resulted in significant inhibitory effects on PMA-induced MMP-9 activity and invasion of HepG(2 )cells.[2]

Lucidenic acid A shows significant cytotoxic activity against Hep G2, Hep G2,2,15, and P-388 tumor cells. [3]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ][4 ]
Mobile phase: 0.8% Acetic acid in water- Acetonitrile,gradient elution ;  
Flow rate: 1.0 ml/min;  
Column temperature: Room temperature  
The wave length of determination: 254 nm.

[ Storage ]
2-8℃, Protected from air and light, refrigerate or freeze.

[ References ]
[ Contact ]

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