

3,5-Dihydroxyergosta-7,22-dien-6-one Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 3,5-Dihydroxyergosta-7,22-dien-6-one

Catalog No.: CFN99614

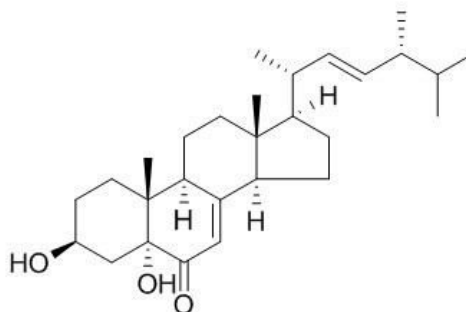
Cas No.: 14858-07-2

Purity: > 95%

M.F: C₂₈H₄₄O₃

M.W: 428.7

Physical Description: Powder



Synonyms: 5 α -Ergosta-7,22-diene-3 β ,5 β -diol-6-one; 6-Dehydrocervisterol.

[Intended Use]

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

[Source]

The fruit body of *Ganoderma lucidum*.

[Biological Activity or Inhibitors]

3 β ,5 α -Dihydroxy-(22E,24R)-ergosta-7,22-dien-6-one exhibits strong or moderate cyto-

-xic activities against MCF-7, A549, HeLa and KB cell lines with IC₅₀ values 4.98 (MCF-7), 1.95 (A549), 0.68(HeLa), and 1.50 uM (KB), respectively.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: Methanol -CHCl₃, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 248 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Deng C M, Liu S X, Huang C H, *et al. Marine Drugs*, 2013, 11(7):2616-24.

[2] Lu M K, Lin H O, Hsu F L, *et al. J. Chin. Med.*, 2010, 21(3,4):75-83.

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