

Cerevisterol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Cerevisterol

Catalog No.: CFN98825

Cas No.: 516-37-0

Purity: > 95%

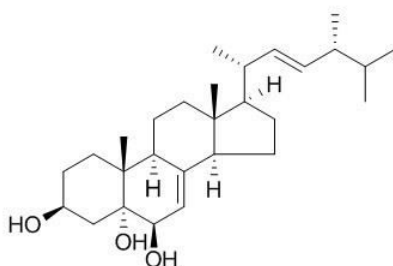
M.F: C₂₈H₄₆O₃

M.W: 430.66

Physical Description: Powder

Synonyms: (22E)-5 α -Ergosta-7,22-diene-3 β ,5,6 β -triol;

(22E,24R)-24-Methyl-5 α -cholesta-7,22-diene-3 β ,5,6 β -triol.



[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]

Cerevisterol is a cytotoxic steroid, can inhibit the activity of DNA polymerase alpha.^[1]

Cerevisterol can stimulate NGF-mediated neurite outgrowth on PC12 cells.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O=85:15 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 220 nm.

[Storage]

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

[References]

[1] Mizushima Y, Takahashi N, Hanashima L, *et al. Bioorg. Med. Chem.*, 1999, 7(9): 2047-52.

[2] Zhang C C, Yin X, Cao C Y, *et al. Bioorg. Med. Chem. Lett.*, 2015, 25(22):5078-82.

[3] Wang Q X, Li S F, Zhao F, *et al. Fitoterapia*, 2011, 82(5):777-81.

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