

Delta 7-avenasterol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Delta 7-avenasterol

Catalog No.: CFN92240

Cas No.: 23290-26-8

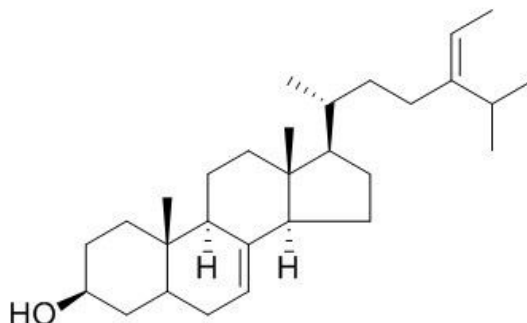
Purity: > 98%

M.F: C₂₉H₄₈O

M.W: 412.7

Physical Description: Cryst.

Synonyms: (24Z)-24-Ethyl-5a-cholesta-7,24(28)-dien-3b-ol; (24Z)-5a-Stigmasta-7,24(28)-dien-3b-ol; 24Z-Ethylidenelathosterol; 3b-Hydroxy-5a-stigmasta-7,24(28)Z-diene; Avenasterol; Z-24-Ethylidene-5a-cholest-7-en-3b-ol.



[Intended Use]

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

[Source]

The seeds of *Nigella sativa* L.

[Biological Activity or Inhibitors]

Delta -7-avenasterol is one kind of terpenic compound in the hexane extract of *Eryngium foetidum* L. (Apiaceae), has antiinflammatory activity.^[1]

Delta -7-avenasterol is one kind of phytosterols, is important dietary component.^[2]

Delta-7-avenasterol and other mixture of phytosterols, for the manufacture of a medicament to induce into the adult organism proliferation and differentiation of the stem cells which are present in the organism.^[3]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

[1] García M D, Sáenz M T, Gómez M A, *et al. Phytother. Res.*, 1999, 13(1):78-80.

[2] Velasco L, Álvaro FernándezCuesta, Garcíaruiz J R, *et al. Crop. Sci.*, 2013, 53(4): 1589-93.

[3] De Gregorio C. *US, US 8114861 B2[P]*. 2012.

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