

Brassicasterol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Brassicasterol

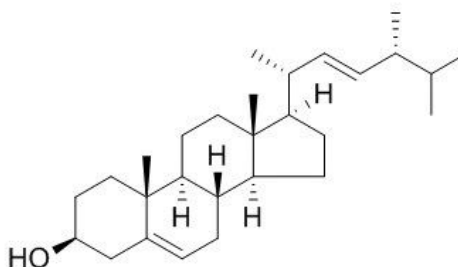
Catalog No.: CFN90471

Cas No.: 474-67-9

Purity: >=98%

M.F: C₂₈H₄₆O

M.W: 398.66



Physical Description: Powder

Synonyms: 5,22-Cholestadien-24β-methyl-3β-ol; (3S,8S,9S,10R,13R,14S,17R)-17-[(E,2R,5R)-5,6-dimethylhept-3-en-2-yl]-10,13-dimethyl-2,3,4,7,8,9,11,12,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3-ol.

[Intended Use]

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

[Source]

The seeds of *Brassica campestris* L.

[Biological Activity or Inhibitors]

Brassicasterol might be a relevant additional biomarker in Alzheimer's disease (AD).^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Vanmierlo T, Popp J, Kölsch H, *et al. Acta Psychiatr. Scand.* ,2011,124(3):184-92.

[2] Wang M L, Feng Y N, Xie H Y, *et al .China Measurement Testing Technology*, 2016, 42(4):60-4.

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