

Cedrelone Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Cedrelone

Catalog No.: CFN99368

Cas No.: 1254-85-9

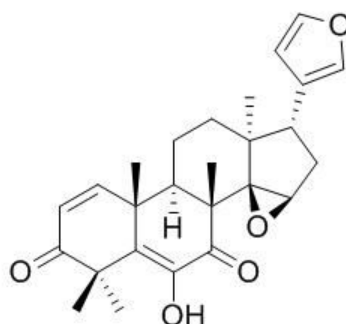
Purity: > 95%

M.F: C₂₆H₃₀O₅

M.W: 422.5

Physical Description: Powder

Synonyms: 14,15,21,23-Diepoxy-6-hydroxy-4,4,8-trimethyl-24-nor-chola-1,5,20,22-tetraene-3,7-dione.



[Intended Use]

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

[Source]

The barks of *Cedrela toona*.

[Biological Activity or Inhibitors]

Cedrelone exhibits antifeedant activity.^[1]

Cedrelone and its derivatives exert antimicrobial activities, bromohydroxy cedrelone and Michael adduct show good antifungal activity.^[2]

Cedrelone and dysobinin show significant cytotoxicity against cancer cell lines, such as -60, SMMC-7721, A-549, MCF-7 and SW480. ^[3]

Cedrelone is a very potent inducers of apoptosis, it can cause cell cycle arrest.^[4]

Cedrelone has insecticidal activity, it inhibits arval growth of *P. saucia*, and the molting of the milkweed bug, *Oncopeltus fasciatus*.^[5]

[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] Gopalakrishnan G, Singh N D P, Kasinath V, *et al. Photochem. Photobiol.*,2000 Oct; 72(4):464-6.

[2] Malairajan P, Narasimhan S, Gopalakrishnan G, *et al. Int. J. Drug Develop.Res.*,2012, 4(4):385-92.

[3] Liu J Q, Wang C F, Li Y, *et al. Phytochemistry*,2012 Apr;76:141-9.

[4] Cazal C M, Choosang K, Severino V G, *et al. Anticancer Agents Med.Chem.*,2010Dec; 10(10):769-76.

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