

Epoxylathyrol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Epoxylathyrol

Catalog No.: CFN98559

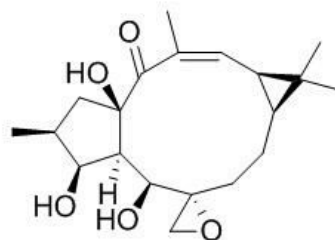
Cas No.: 28649-60-7

Purity: >=98%

M.F: C₂₀H₃₀O₅

M.W: 350.45

Physical Description: Powder



Synonyms: 4a,7,8-Trihydroxy-1,1,3,6-tetramethyl-1a,4a,5,6,7,7a,8,10,11,11a-decahydros piro[cyclopenta[a]cyclopropa[f][11]annulene-9,2'-oxiran]-4(1H)-one.

[Intended Use]

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

[Source]

The seeds of *Euphorbia lathyris* L.

[Biological Activity or Inhibitors]

Epoxylathyrol derivatives have modulation of ABCB1-mediated multidrug resistance in human colon adenocarcinoma and mouse T-Lymphoma cells.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 50% Acetonitrile in water- Acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Matos A M, Reis M, Duarte N, *et al. J. Nat. Prod.*, 2015, 78(9):2215-28.

[2] Bicchi C, Appendino G, Cordero C, *et al. Phytochem. Anal.*, 2001, 12(4):255-62.

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