

Lathyrol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Lathyrol

Catalog No.: CFN98115

Cas No.: 34420-19-4

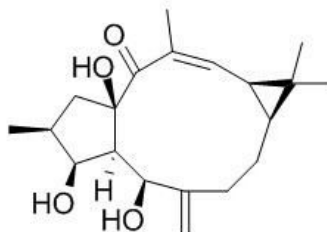
Purity: >=98%

M.F: C₂₀H₃₀O₄

M.W: 334.45

Physical Description: White powder

Synonyms: (1aR,2E,4aR,6S,7S,7aR,8R,11aS)-4a,7,8-trihydroxy-1,1,3,6-tetramethyl-9-methylidene-1,1a,4a,5,6,7,7a,8,9,10,11,11a-dodecahydro-4H-cyclopenta[a]cyclopropa[f][11]annulen-4-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]

Lathyrol diterpenes is a modulator of P-glycoprotein dependent multidrug resistance.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 0.1% Formic acid in water- 0.1% Formic acid in acetonitrile, gradient elution ;

Flow rate: 0.25 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 204 nm.

[Storage]

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

[References]

[1] Jiao W, Wan Z, Chen S, *et al. J. Med. Chem.*, 2015, 58(9):3720-38.

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

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