

Jolkinol A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Jolkinol A

Catalog No.: CFN92878

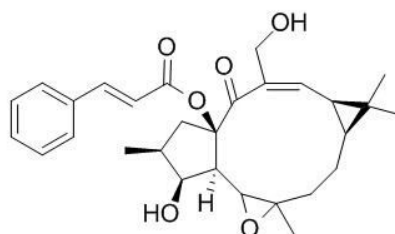
Cas No.: 62820-11-5

Purity: >=95%

M.F: C₂₉H₃₆O₆

M.W: 480.59

Physical Description: Powder



Synonyms: 2-Hydroxy-6-(hydroxymethyl)-3,8,8,10a-tetramethyl-5-oxo-1a,1b,2,3,4,5,7a,8,8a,9,10,10a-dodecahydro-4aH-cyclopenta[10,11]cyclopropa[5,6]cycloundeca[1,2-b]oxire n-4a-yl (2E)-3-phenylprop-2-enoate.

[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]

Jolkinol A can inhibit both MCF-7 (breast adenocarcinoma), NCI-H460 (non-small cell lung cancer) cell lines, with GI50 values ranging between 40.9 microM and 95.3 microM.^[1]

[Solvent]

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

[HPLC Method]^[1]

Mobile phase: Acetonitrile- H₂O=9:11 ;

Flow rate: 5.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Valente C, Pedro M, Ascenso J R, *et al. Planta Med.*, 2004, 70(3):244-9.

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