

beta-Amyrin acetate Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: beta-Amyrin acetate

Catalog No.: CFN99679

Cas No.: 1616-93-9

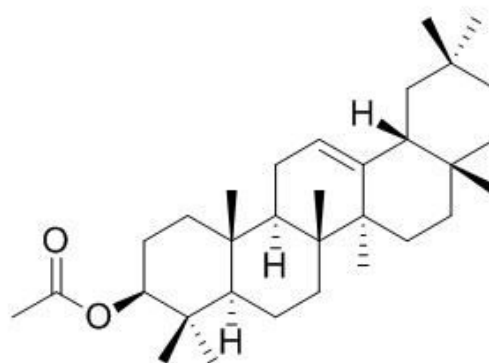
Purity: > 98%

M.F: C₃₂H₅₂O₂

M.W: 468.8

Physical Description: Powder

Synonyms: Acetic-acid(4,4,6a,6b,8a,11,11,14b-octamethyl-1,2,3,4a,5,6,7,8,9,10,12,12a,14,14a-tetradecahydricen-3-yl) ester.



[Intended Use]

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

[Source]

The herbs of *Alstonia boonei*.

[Biological Activity or Inhibitors]

beta-Amyrin acetate has a higher antioxidant potential with an IC₅₀ value of 158.2ug/mL, and has cytotoxicity , it could be a viable source of antioxidant and cytotoxic agents in cancer chemotherapy in the near future.^[1]

beta-Amyrin acetate and beta-Amyrin palmitate are anti-dyslipidemic agents from *Wrightia tomentosa* leaves.^[2]

beta-Amyrin acetate has anti-inflammatory activity,with ID₅₀ values in the range of 0.15-0.75 micromol/ear.^[3]

beta-Amyrin acetate exhibits weak-moderate antiproliferative activity against the A2780 human ovarian cancer cell line. ^[4]

[Solvent]

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

[HPLC Method]^[5]

Mobile phase: Acetonitrile -H₂O=85:15 ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 205 nm.

[Storage]

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

[References]

[1] Fabiyi O A, Atolani O, Adeyemi O S, *et al. Asian Pac J. Trop. Biomed.*, 2012, 2(2):S981–S4.

[2] Ranjani Maurya, Anuj Srivastava, Priyanka Shah,*et al. Phytomedicine: International Journal of Phytotherapy & Phytopharmacology*, 2012, 19(8-9):682.

[3] Akihisa T, Kojima N, Kikuchi T, *et al. J. Oleo. Sci.*, 2010, 59(6):273-80.

[4] Topçu G, Yapar G, Türkmen Z, *et al. Phytochem. Lett.*, 2011, 4(4):421-5.

[5] S Xiong, Ding CJ, Lee Z, *et al. J. Pharm. Anal.*, 2010 (01): 21-3.

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