

Alisol B acetate Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Alisol B acetate

Catalog No.: CFN90158

Cas No.: 19865-76-0

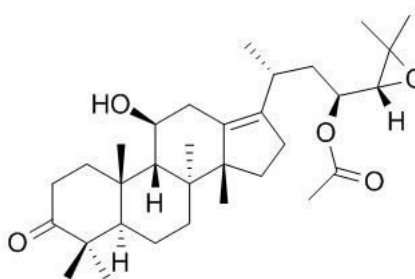
Purity: >=98%

M.F: C₃₂H₅₀O₅

M.W: 514.74

Physical Description: Cryst.

Synonyms: (8 α ,9 β ,14 β)-23-Acetoxy-11 β -hydroxy-dammar-13(17)-ene-3,24-dione.



[Intended Use]

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

[Source]

The tubers of *Alisma plantago-aquatica* Linn.

[Biological Activity or Inhibitors]

Alisol B acetate, a triterpene from *Alismatis rhizoma*, can induce Bax nuclear translocation

and apoptosis in human hormone-resistant prostate cancer PC-3 cells, the Bax activation and translocation from the cytosol to nucleus might be a crucial response to the apoptotic effect.^[1]

Alisol B acetate exhibits an antiproliferative effect in SGC7901 cells by inducing apoptosis, apoptosis of SGC7901 cells involves mitochondria-caspase and PI3K/Akt dependent pathways.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile - 0.1% Aqueous phosphoric acid ,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 205 nm.

[Storage]

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

[References]

[1] Huang Y T, Huang D M, Chueh S C, *et al. Cancer Lett.*, 2006, 231(2):270-8.

[2] Xu Y H, Zhao L J, Li Y. *World Journal of Gastroenterology*, 2009, 15(23):2870-7.

[3] Na B, Men C V, Kim K T, *et al. Bulletin- Korean Chemical Society*, 2013, 34(7):2081-5.

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