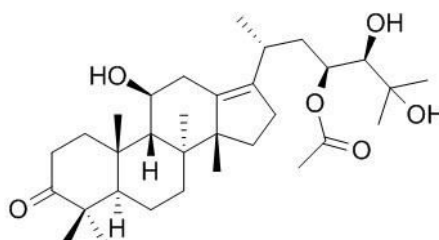


Alisol A 23-acetate Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Alisol A 23-acetate**Catalog No.:** CFN92544**Cas No.:** 19865-75-9**Purity:** > 95%**M.F:** C₃₂H₅₂O₆**M.W:** 532.75**Physical Description:** White powder

Synonyms: (8 α ,9 β ,14 β ,23S,24R)-23-Acetoxy-11 β ,24,25-trihydroxydammar-13(17)-en-3-one; (8 α ,9 β ,14 β ,23S,24R)-3-Oxodammara-13(17)-ene-11 β ,23,24,25-tetraol 23-acetate; AcetylalisolA; (8 α ,9 β ,11 β ,14 β ,23S,24R)-23-(Acetyloxy)-11,24,25-trihydroxydammar-13(17)-en-3-one.

**[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 M 23-acetate and alisol A 23-acetate are farnesoid X receptor (FXR) agonists, FXR is a member of nuclear receptor superfamily and viewed as one of the essential target proteins to develop antidiabetic treatments, so alisol M 23-acetate and alisol A 23-acetate may exert antihyperglycemic effect.^[1]

Alisol A 23-acetate has an obvious effect on treating the arteriosclerosis.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: 0.05% Acetic acid in water- Acetonitrile, gradient elution ;

Flow rate: 0.9 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 208 nm.

[Storage]

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

[References]

[1] Lin H R. *Bioorg. Med. Chem. Lett.*, 2012, 22(14):4787-92.

[2] Hou H M, Chen Z H. *CN 103845341 A[P]*. 2014.

[3] Wang S, Xu J H, Hou L Q. *Acta Chinese Medicine & Pharmacology*, 2014(3):67-70.

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