[ Product Information ]

Name: Alisol B 23-acetate
Catalog No.: CFN99753
Cas No.: 26575-95-1
Purity: >=98%
M.F: C_{32}H_{50}O_{5}
M.W: 514.74
Physical Description: White powder
Synonyms:
(23S,24R)-24,25-Epoxy-11b,23-dihydroxy-8a,9b,14b-dammar-13(17)-en-3-one 23-acetate;
(5xi,8alpha,9xi,11beta,14beta,20xi)-11-hydroxy-3-oxo-24,25-epoxydammar-13(17)-en-23-yl acetate.

[ 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 23-acetate, a protostane-type triterpene isolated from the *Alismatis Rhizoma*, it obviously inhibits proliferation of the three ovarian cancer cell lines, down-regulates the protein levels of CDK4, CDK6, and cyclin D1, and blocks the cell cycle progressions in G1 phase; suggests that it possesses anti-proliferation, anti-migration and anti-invasion activities as a single agent on ovarian cancer cells.[1]

Alisol B 23-acetate could be a transporter substrate for P-glycoprotein (P-gp), it is also a partial non-competitive inhibitor of P-gp when verapamil was used as a substrate, suggests that it may be a potential MDR reversal agent and could serve as a lead compound in the development of novel drugs.[2]

Alisol B 23-acetate shows moderate cytotoxic activities against B16-F10 and HT1080 tumor cells. [3]

Alisol B 23-acetate produces promotive effect on liver regeneration, due to FXR-mediated regulation of genes involved in hepatocyte proliferation and hepato-protection, it has the potential to be a novel therapeutic option for facilitating efficient liver regeneration in patients subjected to liver resection.[4]

**[Solvent]**

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

**[HPLC Method]**[5]

Mobile phase: Acetonitrile-1%Phosphoric acid H2O =62:38 ;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 208 nm.

**[Storage]**
2-8°C, Protected from air and light, refrigerate or freeze.

[ References ]


[ Contact ]

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