Acetate gossypol Datasheet


[ Product Information ]

Name: Acetate gossypol
Catalog No.: CFN98529
Cas No.: 12542-36-8
Purity: >=98%
M.F: C₃₂H₃₄O₁₀
M.W: 578.61

Physical Description: Powder

Synonyms: 1,1',6,6',7,7'-Hexahydroxy-3,3'-dimethyl-5,5'-bis(1-methylethyl)[2,2'-binaphthene]-8,8'-dicarboxaldehyde-acetic acid.

[ Intended Use ]

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

[ Source ]

The seeds of Gossypium herbaceum L.

[ Biological Activity or Inhibitors ]
Gossypol acetate has antifertility action.[1]

Gossypol acetate is a potent inhibitor of Bcl-2 and Bcl-xl, it has significant antiproliferative and antiapoptotic effects on multiple myeloma cells in vitro and in vivo, it may represent a promising new anticancer agent for human multiple myeloma with Bcl-2 overexpression.[2]

Gossypol acetate has apoptosis-inducing activity in primary cultured leukemia cells from patients diagnosed as acute lymphoblastic leukemia (ALL) and chronic lymphocytic leukemia (CLL) in vitro.[3]

[ **Solvent** ]

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

[ **HPLC Method** ][4]

Mobile phase: Methanol-H2O-Phosphoric acid=90:10:0.1;
Flow rate:1.0 ml/min;
Column temperature: 30℃;
The wave length of determination:238 nm.

[ **Storage** ]

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

[ **References** ]


[ Contact ]

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