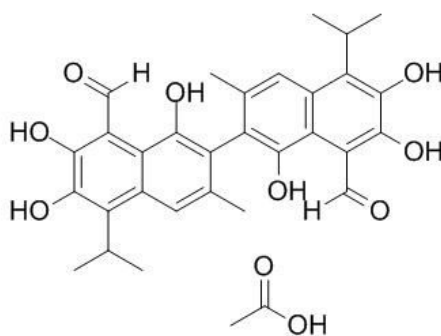


Acetate gossypol Datasheet

5th Edition (Revised in January, 2017)**[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'-binaphthalene]-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°C;

The wave length of determination:238 nm.

[Storage]

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

[References]

[1] Udoh P, Patil D R, Deshpande M K. *Contraception*, 1992 May;45(5):493-509.

[2] Lin J, Wu Y, Yang D, et al. *Oncol. Rep.*, 2013 Aug;30(2):731-8.

[3] Cheng W, Zhao Y Q, Li Y M, et al. *Zhongguo Shi Yan Xue Ye Xue Za Zhi*, 2012 Apr; 20(2):229-34.

[4] Lu D, Duan L, Wu Y, et al. *Chinese Journal of Pharmaceutical Analysis*, 2008, 28(9): 1562-4.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com