

14-Deoxycoleon U Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 14-Deoxycoleon U

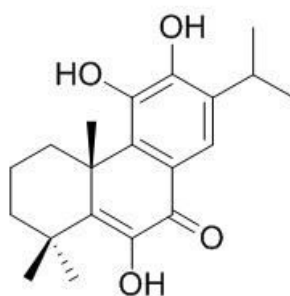
Catalog No.: CFN97924

Cas No.: 88664-09-9

Purity: >=95%

M.F: C₂₀H₂₆O₄

M.W: 330.4



Physical Description: Yellow powder

Synonyms: 9(1H)-Phenanthrenone, 2,3,4,4a-tetrahydro-5,6,10-trihydroxy-1,1,4a-trimethyl-7-(1-methylethyl)-, (R)-; 6-Hydroxysalvinolone.

[Intended Use]

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

[Source]

The herbs of *Coleus forskohlii*.

[Biological Activity or Inhibitors]

14-Deoxycoleon U has strong antifeedant activity.^[1]

14-deoxycoleon U has cytotoxic activity against A2780 human ovarian cancer cell line with IC₅₀ values of 3.9 ug/mL .^[2]

14-Deoxycoleon U shows remarkable inhibitory activities against 17 α -hydroxylase/C17,20-lyase(CYP17), it also shows strong cytotoxic activities against HL60 and K562 human leukemia cells. ^[3]

6-Hydroxysalvinolone(14-Deoxycoleon U) exhibits a competitive inhibition of α -chymotrypsin (a protease enzyme) (IC₅₀ = 188.8 uM).^[4]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

- [1] Fraga B M, Díaz C E, Guadaño A, *et al. J. Agric. Food Chem.*, 2005, 53(13):5200-6.
- [2] Topcu G, Turkmen Z, Schilling J K, *et al. Pharm. Biol.*, 2008, 46(3):180-4.
- [3] Kusumoto N, Aburai N, Ashitani T, *et al. Advances in Biological Chemistry*, 2014, 4(2): 109-15.
- [4] Choudhary M I, Hussain A, Adhikari A, *et al. Phytochem. Lett.*, 2013, 6(1):139-43.

[Contact]

Address:

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

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Wuhan, Hubei 430056,
China

Web: www.chemfaces.com

Tech Support: service@chemfaces.com