Dehydroandrographolide Datasheet

4th Edition (Revised in July, 2016)

[ Product Information ]

Name: Dehydroandrographolide
Catalog No.: CFN99770
Cas No.: 134418-28-3
Purity: > = 98%
M.F: C_{20}H_{28}O_{4}
M.W: 332.43

Physical Description: White powder

Synonyms: (3E)-3-[2-[(1S,4aS,5R,6R,8aS)-Decahydro-6-hydroxy-5-(hydroxymethyl)-5,8-
dimethyl-2-methylene-1-naphthalenyl]ethylidene]-2(3H)-furanone; 14-Deoxy-11-dehydro-
andrographolide; Deoxy-11,12-Didehydroandrographolide; (2R,5R,10R)-2,17-dihydroxy-
20-oxo-9,19-didehydro-5,6,7,8,9,10,15-octahydro-20:5,10-dicycloretinal.

[ Intended Use ]

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

[ Source ]

The herbs of Andrographis paniculata (Burm. f.) Nees.
Biological Activity or Inhibitors

Dehydroandrographolide and andrographolide, two natural diterpenoids isolated from *Andrographis paniculata* possess activity against HBV DNA replication with IC50 values of 22.58 and 54.07uM and low SI values of 8.7 and 3.7, respectively.\(^1\)

Dehydroandrographolide can enhance innate immunity of intestinal tract by up-regulating the expression of hBD-2 through the p38 MAPK pathways.\(^2\)

Solvent

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

HPLC Method\(^3\)

Mobile phase: Methanol-Acetonitrile-H2O=50:10:40 ;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 225 nm.

Storage

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

References


Contact

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