

Lobetyol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Lobetyol

Catalog No.: CFN92356

Cas No.: 136171-87-4

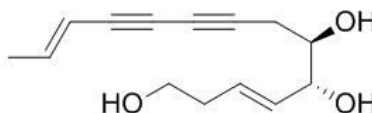
Purity: > 95%

M.F: C₁₄H₁₈O₃

M.W: 234.3

Physical Description: Powder

Synonyms: Tetradeca-4,12-diene-8,10-diyne-1,6,7-triol.



[Intended Use]

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

[Source]

The roots of *Codonopsis pilosula*.

[Biological Activity or Inhibitors]

Lobetyol and lobetyolin show significant antioxidant activity.^[1]

Lobetyol activates MAPK pathways associated with G 1 /S cell cycle arrest and apoptosis in MKN45 cells in vitro and in vivo, which demonstrates the potential of lobetyol could as an anti-tumor agent .^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: 2% MeOH-CHCl₃, gradient elution ;

Flow rate: 2.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 221 nm.

[Storage]

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

[References]

[1] M. U. Dumlu, E. Gurkan, E. Tuzlaci. *Nat. Prod. Res.*, 2008, 22(6):477-82.

[2] Jie S, Lu X G, Du W C, *et al. Biomed. Pharmacother.* , 2016, 81:120-7.

[3] Tung-Hu Tsai, Lie-Chwen Lin. *ChemInform*, 2009, 40(17):1546-50.

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