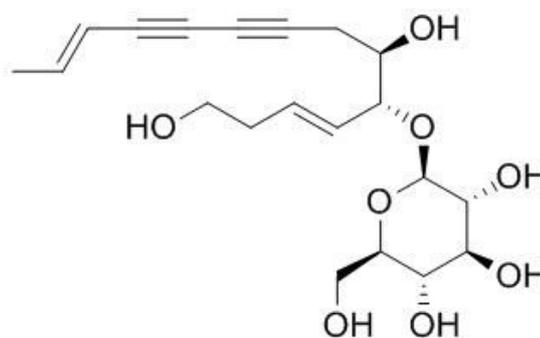


Lobetyolin Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Lobetyolin**Catalog No.:** CFN99104**Cas No.:** 136085-37-5**Purity:** > 98%**M.F:** C₂₀H₂₈O₈**M.W:** 396.43**Physical Description:** Powder**Synonyms:** (2R,3R,4S,5S,6R)-2-[(4E,12E)-1,7-dihydroxytetradeca-4,12-dien-8,10-diyn-6-yl]oxy-6-(hydroxymethyl)oxane-3,4,5-triol.**[Intended Use]**

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Ingredient in supplements, beverages;
7. Aromatics;
8. Others.

[Source]

The root of *Codonopsis pilosula* (Franch.) Nannf..

[Biological Activity or Inhibitors]

Lobetyolin has a protective role in gastric mucosa injury, and the mechanism may be related to the increase in level of 6-K-PGF1 α and the inhibition of the excretion of gastric acid and EGF.^[1]

Lobetyolin, lobetyol, and methyl linoleate inhibit the gene expression of MUC5AC mucin induced by PMA, however lobetyolin did not affect PMA-induced MUC5AC mucin production. ^[2]

[Solvent]

Pyridine, DMSO, Ethanol, Methanol.

[HPLC Method]^[3]

Mobile phase: Acetonitrile : 0.5% Acetic acid in water =20 : 80;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 268 nm.

[Storage]

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

[References]

[1] Song D, Wang Z T, Li L Y. *Journal of Emergency in Traditional Chinese Medicine*, 2008, 17(7):963-4.

[2] Yoon Y P, Ryu J, Park S H, *et al. Tuberculosis & Respiratory Diseases*, 2014, 77(5): 203-8.

[3] Song D, Cheng X M, Li L Y, *et al. China Journal of Chinese Materia Medica*, 2008,

33(17):2133-5.

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