

Terchebulin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Terchebulin

Catalog No.: CFN92297

Cas No.: 132854-40-1

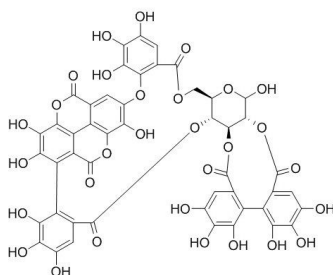
Purity: > 95%

M.F: C₄₈H₂₈O₃₀

M.W: 1084.7

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The fruits of *Terminalia chebula*.

[Biological Activity or Inhibitors]

Terchebulin, flavogallonic acid and punicalagin have antiparasmodial activity, the IC₅₀s of

them range between 8-21 microg/ml (8-40 microM) against Plasmodium falciparum 3D7 and K1.^[1]

Terchebulin shows good antibacterial activity against Propionibacterium acnes, minimum inhibitory concentration (MIC) = 125 ug/ml and minimum bactericidal concentration (MBC) = 250 ug/ml, demonstrates that terchebulin has potentiality as an anti-acne agent.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: (0.05M Phosphoric acid- 0.05M Potassium dihydrogen phosphate =1:1)-

Methanol- Ethyl acetate, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Shuaibu M N, Wuyep P A, Yanagi T, *et al. Parasitol. Res.*, 2008, 102(6):1119-27.

[2] Muddathir A M, Yamauchi K, Mitsunaga T. *J. Wood Sci.*, 2013, 59(5):426-31.

[3] Yan Y Z, Xie P S, Song L F, *et al. Chinese Traditional Patent Medicine*, 2004, 26(8):603-7.

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