

Dunnianol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Dunnianol

Catalog No.: CFN99448

Cas No.: 139726-29-7

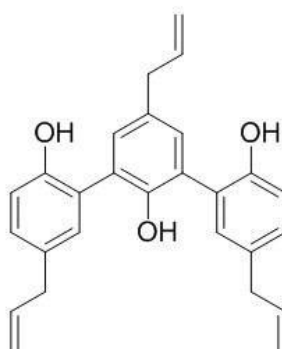
Purity: > 95%

M.F: C₂₇H₂₆O₃

M.W: 398.5

Physical Description: Powder

Synonyms: 5,5',5''-Triallyl-1,1':3',1''-terphenyl-2,2',2''-triol.



[Intended Use]

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

[Source]

The fruits of *Illicium fargesii*.

[Biological Activity or Inhibitors]

Dunnianol, macranthol and isodunnianol have anti-inflammatory activity, they can

increase NAG-1(multiple targets related to inflammation) activity 1.5-3.0 fold and decrease cellular oxidative stress by 40-65%, they show substantial activity against iNOS.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O, 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] Li C, Ali Z, Chen W, *et al. Planta Med.*,2014, 80(10):807-807.

[2] Ning D S,Fu Y X, Pan Z H, *et al. 2nd International Conference on Advances in Energy, Environment and Chemical Engineering (AEECE 2016):0040-5.*

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