

Aerugidiol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Aerugidiol

Catalog No.: CFN92621

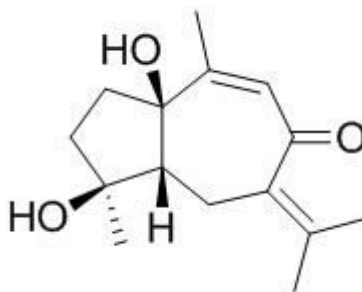
Cas No.: 116425-35-5

Purity: > 95%

M.F: C₁₅H₂₂O₃

M.W: 250.3

Physical Description: Oil



Synonyms: 6(1H)-Azulenone, 2,3,3a,7,8,8a-hexahydro-1,3a-dihydroxy-1,4-dimethyl-7-(1-methylethylidene)-, (1S,3aR,8aR)-.

[Intended Use]

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

[Source]

The rhizome of *Curcuma phaeocaulis*.

[Biological Activity or Inhibitors]

Aerugidiol shows potent protective effect on d-galactosamine/lipopolysaccharide -induced acute liver injury in mice.^[1]

Aerugidiol can inhibit protein tyrosine phosphatase 1B (PTP1B) with IC₅₀ value of 45.6 uM.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile-H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 35°C;

The wave length of determination: 256 nm.

[Storage]

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

[References]

[1] Matsuda H, Ninomiya K, Morikawa T, *et al. Bioorg. Med. Chem. Lett.*, 1998 Feb 17;8(4): 339-44.

[2] Saifudin A, Tanaka K, Kadota S, *et al. J. Nat. Prod.*, 2013 Feb 22;76(2):223-9.

[3] Zhu J J, An Y W, Hu G, *et al. Molecules*, 2013, 18(2):2110-21.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com