

Procurcumenol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Procurcumenol

Catalog No.: CFN92647

Cas No.: 21698-40-8

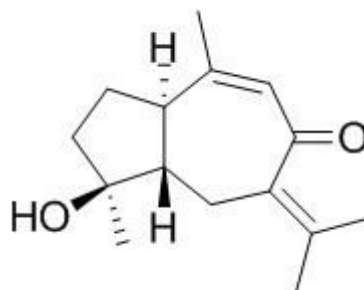
Purity: > 95%

M.F: C₁₅H₂₂O₂

M.W: 234.3

Physical Description: Oil

Synonyms: (3S,3aS,8aR)-3-hydroxy-3,8-dimethyl-5-propan-2-ylidene-2,3a,4,8a-tetrahydro-1H-azulen-6-one.



[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]

Procurcumenol has strong antioxidant activity, it shows moderate activity (80-90% protection) on hydrogen peroxide induced oxidative stress in mouse neuroblastoma-rat glioma hybridoma cells NG108-15.^[1]

Procurcumenol has anti-inflammatory activity, it can inhibit the production of TNF-alpha by lipopolysaccharide (LPS)-activated macrophages (IC₅₀=310.5 microM).^[2]

Procurcumenol exhibits inhibition against collagen-induced platelet aggregation at 100 uM.^[3]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

[1] Hamdi O A A, Ye L J, Kamarudin M N A, *et al. Records of Natural Products, 2015, 9(3):349-55.*

[2] Mi K J, Dong H S, Ryu J H. *Planta Med.,2001 Aug;67(6):550-2.*

[3] Chen J J, Tsai T H, Chen K S, *et al. Planta Med.,2014; 80 -P2071.*

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