

Isoprocurcumenole Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Isoprocurcumenol

Catalog No.: CFN92620

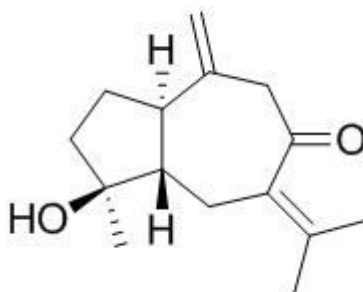
Cas No.: 102130-90-5

Purity: > 95%

M.F: C₁₅H₂₂O₂

M.W: 234.3

Physical Description: Oil



Synonyms: (1S)-7-Isopropylidene-1,2,3,3aα,4,5,6,7,8,8aβ-decahydro-1β-hydroxy-1-methyl-4-methyleneazulen-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]

Isoprocucumenol, neocurdione and 9-oxo-neoprocucumenol are attachment inhibitors against the blue mussel, *Mytilus edulis galloprovincialis*.^[1]

Isoprocucumenol 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.^[2]

[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] Etoh H, Kondoh T, Yoshioka N, *et al. Biosci. Biotechnol. Biochem.*,2003 Apr;67(4):911-3.

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

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