

Calanolide E Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Calanolide E

Catalog No.: CFN99466

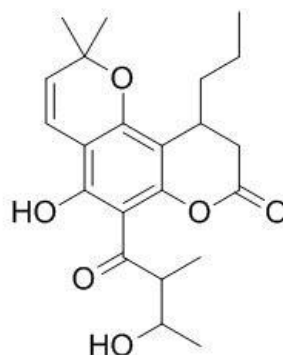
Cas No.: 142566-61-8

Purity: > 95%

M.F: C₂₂H₂₈O₆

M.W: 388.5

Physical Description: Powder



Synonyms: 5-Hydroxy-6-(3-hydroxy-2-methylbutanoyl)-2,2-dimethyl-10-propyl-9,10-dihydro-2H,8H-pyrano[2,3-f]chromen-8-one.

[Intended Use]

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

[Source]

The barks of *Calophyllum lanigerum*.

[Biological Activity or Inhibitors]

Calanolide E2 has anti-HIV activity.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O=60:40 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 284 nm.

[Storage]

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

[References]

[1] Mckee T C, Fuller R W, Covington C D, *et al. J. Nat. Prod.*, 1996, 59(8):754-8.

[2] César G Z, Alfonso M G, Marius M M, *et al. Fitoterapia*, 2011, 82(7):1027-34.

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