

9-Hydroxycalabaxanthone Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 9-Hydroxycalabaxanthone

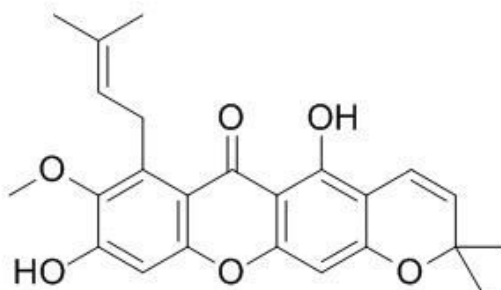
Catalog No.: CFN98467

Cas No.: 35349-68-9

Purity: > 95%

M.F: C₂₄H₂₄O₆

M.W: 408.5



Physical Description: Yellow powder

Synonyms: 5,9-Dihydroxy-8-methoxy-2,2-dimethyl-7-(3-methyl-2-buten-1-yl)-2H,6H-pyran[3,2-b]xanthen-6-one; 1-Isomangostin hydrate.

[Intended Use]

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

[Source]

The fruits of *Garcinia mangostana* L.

[Biological Activity or Inhibitors]

The combination of 9-hydroxycalabaxanthone with α -mangostin shows the synergistic antimalarial interaction.^[1]

9-Hydroxycalabaxanthone exhibits cytotoxicity against the HT-29 cell line with ED₅₀ values of 9.1 microM.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile-H₂O=80:20;

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] Chaijaroenkul W, Nabangchang K. *Acta Parasitologica*, 2014, 60(1):105-11.

[2] Han A R, Kim J A, Lantvit D D, *et al. J. Nat. Prod.*, 2009 Nov; 72(11):2028-31.

[3] Walker E B. *J. Sep. Sci.*, 2007 Jun; 30(9):1229-34.

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