

Mangostanol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Mangostanol

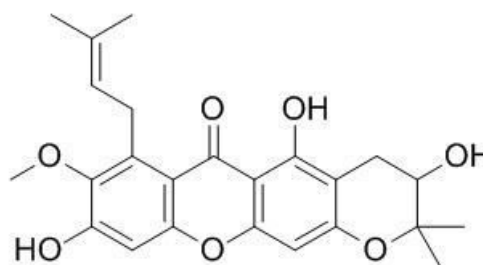
Catalog No.: CFN99856

Cas No.: 184587-72-2

Purity: > 95%

M.F: C₂₄H₂₆O₇

M.W: 426.5



Physical Description: Yellow powder

Synonyms: 3,5,9-Trihydroxy-8-methoxy-2,2-dimethyl-7-(3-methyl-2-buten-1-yl)

-3,4-dihydro-2H,6H-pyrano[3,2-b]xanthen-6-one.

[Intended Use]

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

[Source]

The fruits of *Garcinia mangostana*.

[Biological Activity or Inhibitors]

Mangostanol has anti-cancer activity, it shows significant activities against the CEM-SS cell line, with IC₅₀ values of 9.6 microg/ml.^[1]

Mangostanol is an acetylcholinesterase (AChE) selective inhibitor.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 243 nm.

[Storage]

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

[References]

[1] Ee G C, Daud S, Izzaddin S A, *et al. J. Asian Nat. Prod. Res.*, 2008,10(5-6):475-9.

[2] Khaw K Y, Choi S B, Tan S C, *et al. Phytomedicine*, 2014, 21(11):1303-9.

[3] Sunit Suksamrarn , Narisara Suwannapoch , Piniti Ratananukul , *et al. J. Nat. Prod.*, 2002, 65(5):761-3.

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