

Garcinone E Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Garcinone E

Catalog No.: CFN92697

Cas No.: 112649-21-5

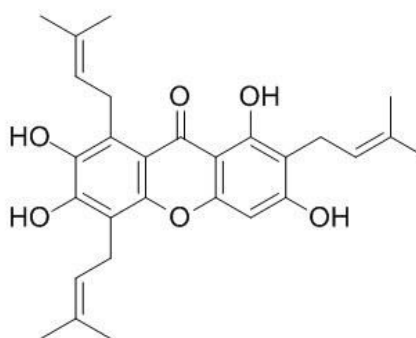
Purity: > 98%

M.F: C₂₈H₃₂O₆

M.W: 464.6

Physical Description: Yellow powder

Synonyms: 1,3,6,7-Tetrahydroxy-2,5,8-triprenylxanthone.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Ingredient in supplements, beverages;
8. Others.

[Source]

The fruits of *Garcinia mangostana*.

[Biological Activity or Inhibitors]

Garcinone E has antioxidant activities.^[1]

Garcinone E, a xanthone derivative, has potent cytotoxic effect against hepatocellular carcinoma cell lines.^[2]

Garcinone E exhibits dose-dependent inhibitory activity against SK-BR-3 breast cancer cells.^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: MeOH- H₂O=95:5 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 319 nm.

[Storage]

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

[References]

[1] Jung H A, Su B N, Keller W J, *et al. J. Agr .Food. Chem.*, 2006, 54(6):2077-82.

[2] Ho C K, Huang Y L, Chen C C. *Planta. Med.*, 2002, 68(11):975-9.

[3] Balunas M J, Su B, Brueggemeier R W, *et al. J. Nat. Prod.*, 2008, 71(71):1161-6.

[4] Syamsudin, Faizatun, L Rahayu, *et al. Int. J. Pharm. Bio. Sci.*..2010,1(1).

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