[**Product Information**]

**Name:** Beta-mangostin  
**Catalog No.:** CFN99723  
**Cas No.:** 20931-37-7  
**Purity:** >=98%  
**M.F:** C_{25}H_{28}O_{6}  
**M.W:** 424.49  
**Physical Description:** Powder  
**Synonyms:** 1,6-Dihydroxy-3,7-dimethoxy-2,8-bis(3-methylbut-2-en-1-yl)-9H-xanthen-9-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**]
Beta-mangostin shows cytotoxic activity against the human lung cancer cell line (NCI-H187), it also shows antimalarial activity against Plasmodium falciparum with IC(50) values of 7.2 microg/ml.[1]

Alpha-and beta-mangostins exhibit strong inhibitory effect against Mycobacterium tuberculosis with the minimum inhibitory concentration (MIC) value of 6.25 microg/ml. [2]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ][3]
Mobile phase: Methanol–0.2% Formic acid, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: 25 °C;
The wave length of determination: 254 nm.

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

[ References ]

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