

## Isomangiferin Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

### [ Product Information ]

**Name:** Isomangiferin

**Catalog No.:** CFN90385

**Cas No.:** 24699-16-9

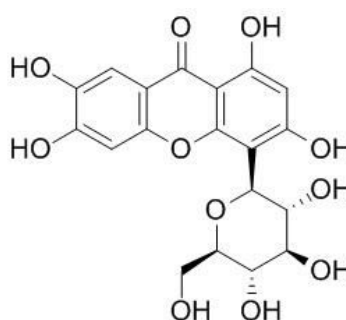
**Purity:** >=98%

**M.F:** C<sub>19</sub>H<sub>18</sub>O<sub>11</sub>

**M.W:** 422.34

**Physical Description:** Powder

**Synonyms:** (1S)-1,5-Anhydro-1-(1,3,6,7-tetrahydroxy-9-oxo-9H-xanthen-4-yl)-D-glucitol.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Mangifera indica* L.

### [ Biological Activity or Inhibitors ]

Isomangiferin has antiviral effect, which is presumably due to its capability of inhibiting

virus replication within cells.<sup>[1]</sup>

Isomangiferin has antioxidant and radical-scavenging activities.<sup>[2]</sup>

## **[ Solvent ]**

Pyridine, DMSO.

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: 2% Acetic acid in water- Acetonitrile-Tetrahydrofurane ,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Zheng M S, Lu Z Y. *Acta Pharm. Sin.*, 1990, 10(1):85-90.

[2] Martin F, Hay A E C D, Reist M, *et al. J. Nat. Prod.*, 2008, 71(11):1887-90.

[3] Joubert E, Otto F, Grüner S, *et al. Eur. Food Res. Technol.*, 2003, 216(3):270-3.

## **[ Contact ]**

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