

## Mesuaxanthone A Datasheet

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

### [ Product Information ]

**Name:** Mesuaxanthone A

**Catalog No.:** CFN98472

**Cas No.:** 3561-81-7

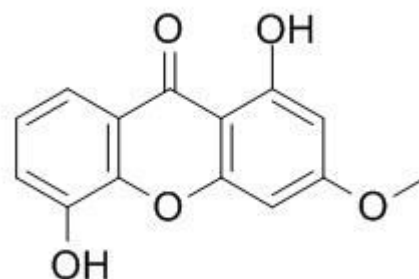
**Purity:** > 95%

**M.F:** C<sub>14</sub>H<sub>10</sub>O<sub>5</sub>

**M.W:** 258.2

**Physical Description:** Yellow powder

**Synonyms:** 1,5-Dihydroxy-3-methoxy-xanthen-9-one.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Calophyllum inophyllum* L.

### [ Biological Activity or Inhibitors ]

Mesuaxanthone A and mesuaxanthone B are two yellow pigments.<sup>[1]</sup>

Mesuaxanthone A and mesuaxanthone B produce varying degrees of C.N.S. depression characterised by ptosis, sedation, decreased spontaneous motor activity, loss of muscle tone, potentiation of pentobarbitone sleeping time and ether anaesthesia in mice and rats; they also exhibit anti inflammatory activity both by intraperitoneal and oral routes in rats.<sup>[2]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]**

Not data available.

## **[ Storage ]**

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

## **[ References ]**

[1] Govindachari T R, Pai B R, Subramaniam P S, *et al. Tetrahedron*, 1967, 23(10):4161-5.

[2] Gopalakrishnan C, Shankaranarayanan D, Nazimudeen S K. *Indian J.Pharmacol.*, 1980, 12(3):181-91.

## **[ Contact ]**

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