

## Canthin-6-one N-oxide Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** Canthin-6-one N-oxide

**Catalog No.:** CFN92010

**Cas No.:** 60755-87-5

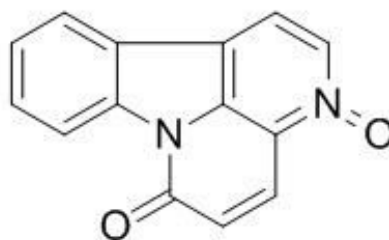
**Purity:** > 98%

**M.F:** C<sub>14</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>

**M.W:** 236.2

**Physical Description:** Cryst.

**Synonyms:**



### [ Intended Use ]

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

### [ Source ]

The roots of *Eurycoma harmandiana*.

### [ Biological Activity or Inhibitors ]

Canthin-6-one, isolated from *Zanthoxylum chiloperone* (Rutaceae), possesses a broad spectrum of antifungal and leishmanicidal activities, canthin-6-one and canthin-6-one N-oxide have antiparasitic effects.<sup>[1]</sup>

Canthin-6-one is cytotoxic alkaloid.<sup>[2]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Acetonitrile - 0.1% Phosphoric acid, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 210 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Ferreira M E, Nakayama H, Arias A R D, *et al.* *J. Ethnopharmacol.*, 2007, 109(2): 258-63.

[2] Anderson L A, Harris A, Phillipson J D. *J. Nat. Prod.*, 1983, 46(3):374-8.

[3] Lv W Q, Huang W D, Song Y X. *Chinese herbal medicine*, 2009, 40 (8) : 1321-3.

## **[ Contact ]**

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