

## 10-Hydroxycanthin-6-one Datasheet

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

### [ Product Information ]

**Name:** 10-Hydroxycanthin-6-one

**Catalog No.:** CFN94012

**Cas No.:** 86293-41-6

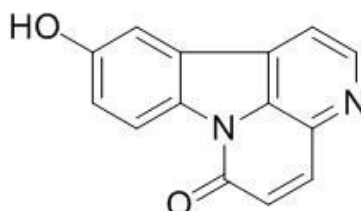
**Purity:** 98%

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

**M.W:** 236.23

**Physical Description:** Yellow powder

**Synonyms:** 6H-Indolo(3,2,1-de)(1,5)naphthyridin-6-one, 10-hydroxy-



### [ Intended Use ]

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

### [ Source ]

The barks of *Picrasma quassioides* (D.Don) Benn.

### [ Biological Activity or Inhibitors ]

10-Hydroxycanthin-6-one has potential to be an antimicrobial agent.<sup>[1]</sup>

10-Hydroxycanthin-6-one has in vitro antimalarial activity.<sup>[2]</sup>

10-Hydroxycanthin-6-one has cytotoxic activity, it could be a plant anticancer agent. <sup>[3]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[4]</sup>**

Mobile phase: Acetonitrile-0.1%Phosphoric acid H<sub>2</sub>O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Zhao F, Dai J K, Liu D, *et al. Molecules*, 2016, 21(3):390

[2] Chan K L, O'Neill M J, Phillipson J D, *et al. Planta Med.*, 1986, 52(2):105-7.

[3] Arisawa M, Kinghorn A D, Cordell G A, *et al. J. Nat. Prod.*, 1983, 46(2):222-5.

[4] Wu C, Deng G H, Lin C Z, *et al. China Journal of Chinese Materia Medica*, 2014, 39(9):904-11.

## **[ Contact ]**

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