

## 9,10-Dimethoxycanthin-6-one Datasheet

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

### [ Product Information ]

**Name:** 9,10-Dimethoxycanthin-6-one

**Catalog No.:** CFN92127

**Cas No.:** 155861-51-1

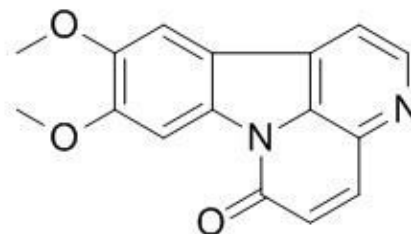
**Purity:** > 95%

**M.F:** C<sub>16</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub>

**M.W:** 280.3

**Physical Description:** Yellow powder

**Synonyms:** 9,10-Dimethoxy-6H-indolo[3,2,1-de][1,5]naphthyridin-6-one.



### [ 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 ]

9,10-Dimethoxycanthin-6-one shows cytotoxic activity against a HT-1080 human

fibrosarcoma cell line( IC50 = 5.0 microM).<sup>[1]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: 0.2 M Phosphate buffer(pH=7.5)-Methanol,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 254 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Miyake K, Tezuka Y, Awale S, *et al. Nat. Prod. Commun.*, 2010, 5(1):17-22.

[2] Lai Z, Ou G, Xiao S, *et al. Chinese Journal of Pharmaceutical Analysis*, 2011, 31(1):15-8.

## **[ Contact ]**

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