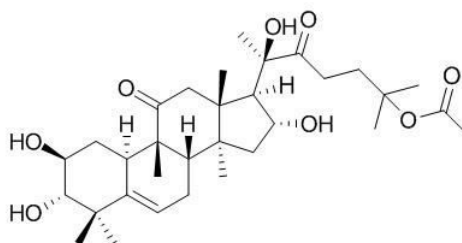


# Cucurbitacin IIA Datasheet

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

## [ Product Information ]

**Name:** Cucurbitacin IIA**Catalog No.:** CFN98171**Cas No.:** 58546-34-2**Purity:** >=98%**M.F:** C<sub>32</sub>H<sub>50</sub>O<sub>8</sub>**M.W:** 562.73**Physical Description:** Powder**Synonyms:** Hemslecin A; 25-O-Acetyl-23,24-dihydrocucurbitacin F.

## [ Intended Use ]

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

## [ Source ]

The rhizomes of *Hemsleya amabilis* Diels.

## [ Biological Activity or Inhibitors ]

Cucurbitacin IIA (Culla), a member of cucurbitacin family, is isolated from the root of

Hemsleya amabilis, has anti-inflammatory properties, induction of apoptosis and enhancement of autophagy contributed to the anti-inflammatory activity of Culla against inflammation-related diseases.<sup>[1]</sup>

Cucurbitacin IIa, is a novel class of anti-cancer drug inducing non-reversible actin aggregation and inhibiting survivin independent of JAK2/STAT3 phosphorylation.<sup>[2]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Acetonitrile-H<sub>2</sub>O=40:60 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 212 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] He J, Wang Y, Xu L H, *et al. Int. Immunopharmacol.*, 2013, 16(1):27-34.

[2] Boykin C, Zhang G, Chen Y H, *et al. Brit. J. Cancer*, 2011, 104(5):781-9.

[3] Jian S U. *Journal of Yunnan University of Traditional Chinese Medicine*, 2014,2.

## **[ Contact ]**

### **Address:**

S5-3 Building, No. 111, Dongfeng Rd.,  
Wuhan Economic and Technological Development Zone,  
Wuhan, Hubei 430056,  
China

**Email:** info@chemfaces.com

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

**Tech Support:** service@chemfaces.com