

## Resibufogenin Datasheet

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

### [ Product Information ]

**Name:** Resibufogenin

**Catalog No.:** CFN98543

**Cas No.:** 465-39-4

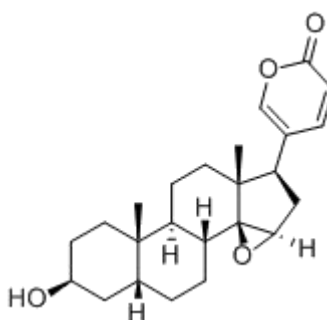
**Purity:** >=98%

**M.F:** C<sub>24</sub>H<sub>32</sub>O<sub>4</sub>

**M.W:** 384.51

**Physical Description:** Powder

**Synonyms:** 14,15-beta-epoxy-3-beta-hydroxy-5-beta-bufa-20,22-dienolide; bufogenina.



### [ Intended Use ]

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

### [ Source ]

The glandular body of *Bufo bufo gargarizans* Cantor.

### [ Biological Activity or Inhibitors ]

Resibufogenin, isolated from the venom gland of toad skin, can inhibit rectifier potassium

current ( I K ) and transient potassium current ( I A ), it has pathological effects on central nervous system.<sup>[1]</sup>

Resibufogenin corrects hypertension in a rat model of human preeclampsia.<sup>[2]</sup>

Resibufogenin is a cytotoxic steroid isolated from the Chinese drug ChanSu. <sup>[3]</sup>

Resibufogenin can prevent the manifestations of preeclampsia in an animal model of the syndrome; it not only prevents the advent of hypertension and proteinuria, but also the development of intrauterine growth restriction.<sup>[4]</sup>

### **[ Solvent ]**

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

### **[ HPLC Method ]<sup>[5]</sup>**

Mobile phase: Tetrahydrofuran- Methanol-H<sub>2</sub>O =8:31:61;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 299 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Hao S, Bao Y M, An L J, *et al. Toxicol. in Vitro*, 2011, 25(8):1644-53.

[2] Vu H, Ianosiirimie M, Danchuk S, *et al. Exp. Biol. Med.*, 2006, 231(2):215-20.

[3] Ye M, Han J, An D, *et al. Tetrahedron*, 2005, 61(37):8947-55.

[4] Horvat D, Severson J, Uddin M N, *et al. Hypertens. Pregnancy*, 2010, 29(1):1-9.

[5] Song H, Tao G, Bi K, *et al. Biomed. Chromatogr. BMC*, 2000, 14(2):130-2.

### **[ Contact ]**

**Address:**

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

**Email:** [info@chemfaces.com](mailto:info@chemfaces.com)**Tel:** +86-27-84237783**Fax:** +86-27-84254680**Web:** [www.chemfaces.com](http://www.chemfaces.com)**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)