

## Dihydropinosylvin Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

### [ Product Information ]

**Name:** Dihydropinosylvin

**Catalog No.:** CFN99500

**Cas No.:** 14531-52-3

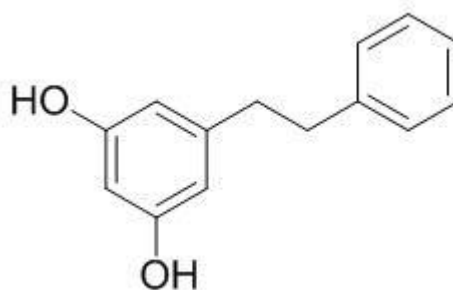
**Purity:** > 95%

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

**M.W:** 214.3

**Physical Description:** Powder

**Synonyms:** 1,3-Benzenediol, 5-(2-phenylethyl)-; 5-(2-phenylethyl)benzene-1,3-diol.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Dioscorea rotundata*.

### [ Biological Activity or Inhibitors ]

Dihydropinosylvin is an phytoalexin, it shows antifungal activity against *Cladosporium cladosporioides*, *Botryodiplodia theobromae*, *Aspergillus niger* and *Penicillium schlerotgenum*, it also exhibits strong antibacterial activity against *Bacillus cereus*, *Staphylococcus aureus*, *Pseudomonas aeruginosa* and *Escherichia coli*.<sup>[1]</sup>

Dihydropinosylvin and batatasin IV can inhibit the germination of seeds of and root elongation in young seedlings of *Sorghum bicolor*.<sup>[2]</sup>

### **[ Solvent ]**

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

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

Mobile phase: Methanol-  $\text{CHCl}_3$ , gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 280 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Fagboun D E, Ogundana S K, Adesanya S A, *et al. Phytochemistry*, 1987, 26(12): 3187-9.

[2] Cline E I, Adesanya S A, Ogundana S K, *et al. Phytochemistry*, 1989, 28(10):2621-5.

[3] Fagboun D E, Ogundana S K, Adesanya S A, *et al. Phytochemistry*, 1987, 26(12): 3187-9.

### **[ Contact ]**

**Address:**

**Email:** info@chemfaces.com

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

**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)