

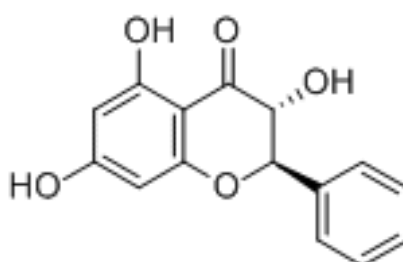
## Pinobanksin Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)**[ Product Information ]****Name:** Pinobanksin**Catalog No.:** CFN98917**Cas No.:** 548-82-3**Purity:** > 95%**M.F:** C<sub>15</sub>H<sub>12</sub>O<sub>5</sub>**M.W:** 272.25**Physical Description:** Powder**Synonyms:** 4H-1-Benzopyran-4-one,2,3-dihydro-3,5,7-trihydroxy-2-phenyl-, (2R,3R)-;

4H-1-Benzopyran-4-one,2,3-dihydro-3,5,7-trihydroxy-2-phenyl-, (2R-trans)-;

Flavanone, 3,5,7-trihydroxy-(7Cl,8Cl);Pinobanksin (6Cl);(2R,3R)-Pinobanksin;

3,5,7-Trihydroxyflavanone;Dihydrogalangin.

**[ Intended Use ]**

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

**[ Source ]**The barks of *Pinus koraiensis*.

## **[ Biological Activity or Inhibitors ]**

Pinobanksin and some of its ester derivatives from *Sonoran propolis* have apoptotic induction in a B-cell lymphoma cell line.<sup>[1]</sup>

Pinobanksin inhibits peroxidation of low density lipoprotein and it has electron donor properties reducing alpha-tocopherol radicals.<sup>[2]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Methanol- 5% Formic acid H<sub>2</sub>O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 268 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Alday E, Valencia D, Carreño A L, *et al. Chem. Biol. Interact.*, 2015, 242:35-44.

[2] Ondrias K, Stasko A, Hromadová M, *et al. Die Pharmazie*, 1997, 52(7):566-7.

[3] Markham K R, Mitchell K A, Wilkins A L, *et al. Phytochemistry*, 1996, 42(1):205-11.

## **[ 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)