



## Product Information

### (±)-Pinocembrin

**Cat. No.:** X22-05-ZQ617

**Size:** 5 mg; 10 mg; 20 mg

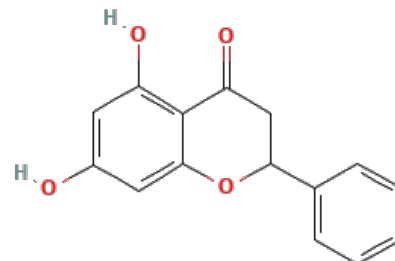
**MDL:** MFCD00017482

**CAS Number:** 68745-38-0

**Compound CID:** 238782

**Synonym:** 68745-38-0; 5,7-Dihydroxyflavanone;

5,7-Dihydroxy-2-phenyl-2,3-dihydrochromen-4-one



**This product is for research use only and is not intended for diagnostic use.**

### Product Information

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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | (±) -Pinocembrin is isolated from the herbs of <i>Pinus armandii</i> . It has been shown to have anti-inflammatory and antimicrobial properties. It is a cyclase inhibitor that has been shown to have effects on the mitochondrial membrane potential, the production of reactive oxygen species, and the expression of toll-like receptors <i>in vitro</i> . This product can be used for research in the fields of medicine, pharmacy, cosmetics and agriculture. |
| <b>Molecular Weight</b>  | 256.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Formula</b> | C <sub>15</sub> H <sub>12</sub> O <sub>4</sub>                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>IUPAC Name</b>        | 5,7-Dihydroxy-2-phenyl-2,3-dihydrochromen-4-one                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>InChI</b>             | InChI=1S/C15H12O4/c16-10-6-11(17)15-12(18)8-13(19-14(15)7-10)9-4-2-1-3-5-9/h1-7,13,16-17H,8H2                                                                                                                                                                                                                                                                                                                                                                        |
| <b>InChI Key</b>         | URFCJEUYXNAHFI-UHFFFAOYSA-N                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Canonical SMILES</b>  | C1C(OC2=CC(=CC(=C2C1=O)O)O)C3=CC=CC=C3                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>            | <i>Pinus armandii</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Part Used</b>         | Herbs                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>              | Powder                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>            | ≥98%, determined by HPLC.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Identity</b>          | Confirmed by MS and NMR.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Stability</b>         | The product is stable for two years when stored at the recommended temperature.                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>      | (±)-Pinocembrin can be used for research in the fields of medicine, pharmacy, cosmetics and agriculture.                                                                                                                                                                                                                                                                                                                                                             |



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**Storage**

Store at 4°C. Protect from light.

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**Safety Information**

**Personal Protective**

Gloves, eyeshields, N95 mask

**Equipment**

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