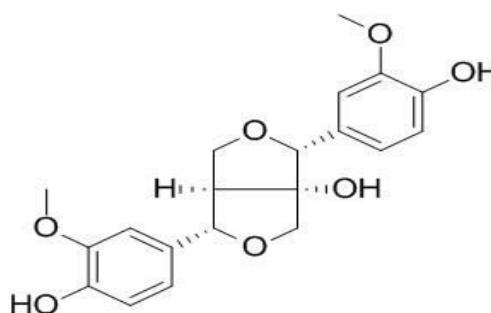


# 8-Hydroxypinoresinol Datasheet

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

## [ Product Information ]

**Name:** 8-Hydroxypinoresinol**Catalog No.:** CFN92432**Cas No.:** 81426-17-7**Purity:** > 95%**M.F:** C<sub>20</sub>H<sub>22</sub>O<sub>7</sub>**M.W:** 374.4**Physical Description:** Powder**Synonyms:** (1S,3aS,4R,6aR)-Dihydro-1,4-bis(4-hydroxy-3-methoxyphenyl)-1H,3H-furo[3,4-c]furan-3a(4H)-ol; (+)-1-Hydroxypinoresinol.

## [ Intended Use ]

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

## [ Source ]

The herbs of *Rosa multiflora* Thunberg.

## [ Biological Activity or Inhibitors ]

8-Hydroxypinoresinol displays powerful antioxidant activity, and it shows a high vasorelaxant activity.<sup>[1]</sup>

8-Hydroxypinoresinol and phillygenin can significantly reduce the cell injury by 3-morpholinosydnonimine, a peroxynitrite (ONOO(-)) generator, suggests that they may be useful for the therapeutic or preventive applications in treating ONOO(-)-related diseases.<sup>[2]</sup>

### **[ Solvent ]**

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

### **[ HPLC Method ]**

Not data available.

### **[ Storage ]**

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

### **[ References ]**

[1] Piccinelli A L, Arana S, Caceres A, *et al. J. Nat. Prod.*,2004 Jul;67(7):1135-40.

[2] Xiang L P, Cho E J, Jang M H, *et al. Phytother. Res.*,2009 Jul;23(7):938-42.

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