

Platyphyllenone Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Platyphyllenone

Catalog No.: CFN98955

Cas No.: 56973-65-0

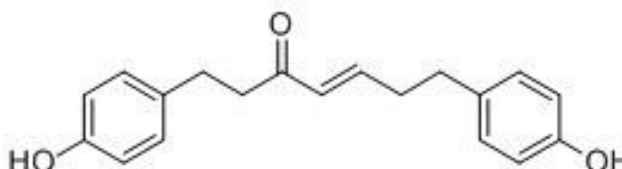
Purity: > 98%

M.F: C₁₉H₂₀O₃

M.W: 296.4

Physical Description: Oil

Synonyms: 1,7-Bis(4-hydroxyphenyl)-4-hepten-3-one.



[Intended Use]

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

[Source]

The bark of *Alnus japonica*.

[Biological Activity or Inhibitors]

Platyphyllenone has shown promising anti-filarial activity both in vitro and in vivo studies.^[1]

Platyphyllenone and hirsutenone can inhibit the biosynthesis of violacein in *C. violaceum* CV026.^[2]

[Solvent]

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

[HPLC Method]

Mobile phase: Acetonitrile : 1% Acetic acid H₂O=50:50;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Yadav D, Singh S C, Verma R K, *et al. Phytomedicine.*, 2013, 20(2):124-32.

[2] Ilic-Tomic T, Sokovic M, Vojnovic S, *et al. Planta Med.* ,2017, 83(1-02):117-25.

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