

Homopterocarpin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Homopterocarpin

Catalog No.: CFN97720

Cas No.: 606-91-7

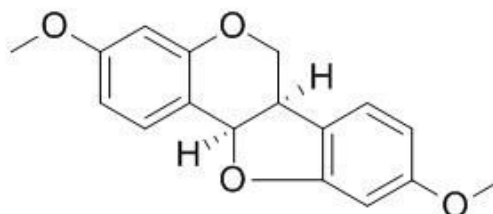
Purity: >95%

M.F: C₁₇H₁₆O₄

M.W: 284.31

Physical Description: Oil

Synonyms: (6aR)-6a,11a α -Dihydro-3,9-dimethoxy-6H-benzofuro[3,2-c][1]benzopyran;
3,9-Dimethoxypterocarpan.



[Intended Use]

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

[Source]

The roots of *Sophora tonkinensis*.

[Biological Activity or Inhibitors]

Homopterocarpin and Pterocarpus extract offer gastroprotection against indomethacin-induced ulcer by antioxidative mechanism and the modulation of gastric homeostasis, homopterocarpin may be responsible for, or contribute to the antiulcerogenic property of *P. erinaceus*.^[1]

Homopterocarpin and medicarpin can inhibit (lower concentration) or kill (higher concentration) human's liver cancer cells under the cultured condition, they have anticancer activity.^[2]

Homopterocarpin can contribute to the hepatoprotective and antioxidant potentials of *P. erinaceus* extract in acetaminophen-provoked hepatotoxicity. ^[3]

(-)-Homopterocarpin has active insect antifeedant against both *S. litura* and *R. speratus*.^[4]

(+)-Homopterocarpin has antimitotic effect.^[5]

[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] Olaleye M T, Akinmoladun A C, Crown O O, *et al. Asian Pac. J. Trop. Med.*, 2013, 6(3):200-4.

[2] Li W, Kan Y, Hong M, *et al. Journal of Shenyang Pharmaceutical University*, 2001, 18(3):211-2.

[3] Akinmoladun A C, Olaleye M T, Komolafe K, *et al. Journal of Basic and Clinical Physiology and Pharmacology*, 26(6):555-62.

[4] Morimoto M, Fukumoto H, Hiratani M, *et al. Biosci. Biotech. Bioch.*, 2006, 70(8):1864-8.

[5] Militão G C, Jimenez P C, Wilke D V, *et al. Planta Med.*, 2005, 71(7):683-5.

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