[ **Product Information** ]

**Name:** Homopterocarpin  
**Catalog No.:** CFN97720  
**Cas No.:** 606-91-7  
**Purity:** >95%  
**M.F:** C_{17}H_{16}O_{4}  
**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 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** ]


[Contact]

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