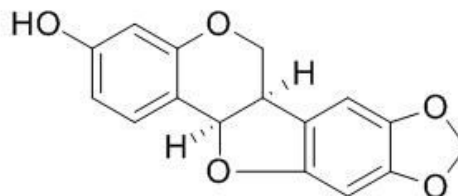


Maackiain Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Maackiain**Catalog No.:** CFN99746**Cas No.:** 19908-48-6**Purity:** >=98%**M.F:** C₁₆H₁₂O₅**M.W:** 284.27**Physical Description:** Powder

Synonyms: 6a β ,12a β -Dihydro-6H-[1,3]dioxolo[5,6]benzofuro[3,2-c][1]benzopyran-3-ol;
(6aS)-6a β ,11a β -Dihydro-8,9-(methylenedioxy)-6H-benzofuro[3,2-c][1]benzopyran-3-ol;
(6aS,12aS)-6a,12a-Dihydro-6H-[1,3]dioxolo[5,6]benzofuro[3,2-c][1]benzopyran-3-ol;
dl- Maackiain.

[Intended Use]

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

[Source]

The flowers of *Maackia amurensis* Rupr.et Maxim.

[Biological Activity or Inhibitors]

Maackiain and medicarpin are two antimicrobial compounds (phytoalexins). [1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile- 0.1% Acetic acid solution=43:57 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 312 nm.

[Storage]

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

[References]

[1] Miao V P, Vanetten H D. *Appl. Environ. Microb.*, 1992, 58(3):801-8.

[2] Wang C, Wang Y, Wang Y, *et al. Chinese Journal of Pharmaceutical Analysis*, 2010, 30(9):1735-7.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com