

Galangin 3-methyl ether Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Galangin 3-methyl ether

Catalog No.: CFN92776

Cas No.: 6665-74-3

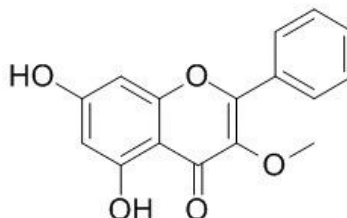
Purity: > 95%

M.F: C₁₆H₁₂O₅

M.W: 284.3

Physical Description: Powder

Synonyms: 5,7-Dihydroxy-3-methoxy-2-phenyl-4H-1-benzopyran-4-one.



[Intended Use]

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

[Source]

The rhizomes of *Alpinia officinarum* Hance.

[Biological Activity or Inhibitors]

Galangin-3-methylether has antibacterial activity, it has inhibitory effects on *Pseudomonas*

aeruginosa.^[1]

3-Methylethergalangin has hypolipidemic activity, the action is due to the inhibition of pancreatic lipase.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile-0.05% Phosphoric acid in water, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 264 nm.

[Storage]

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

[References]

[1] Coşar, G, Çubukçu, B. *Fitoterapia*, 1990.

[2] Shin J E, Joo H M, Kim D H. *Biol. Pharm. Bull.*, 2003, 26(6):854-7.

[3] Zhao X, Chen X, Geng L, *et al. Chinese Journal of Pharmaceutical Analysis*, 2009, 29(12):2036-9.

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