

Maltol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Maltol

Catalog No.: CFN97949

Cas No.: 118-71-8

Purity: >=98%

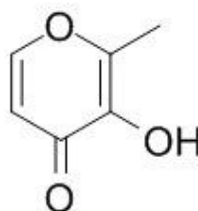
M.F: C₆H₆O₃

M.W: 126.1

Physical Description: Powder

Synonyms: 2-Hydroxy-3-methyl-4H-pyran-4-one ;2-Methyl pyromeconic acid;

2-Methyl-3-hydroxy-4-pyrone;2-Methyl-3-oxy-gamma-pyrone.



[Intended Use]

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

[Source]

The herbs of *Phellinus igniarius*.

[Biological Activity or Inhibitors]

Most hydroxyketones (including maltol), show relatively higher tumor-specific cytotoxicity.^[1]

Maltol, a food additive, is a strong enhancer of aluminum accumulation in serum, brain, and bone.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: 2% Acetic acid in water- 0.5% Acetic acid in acetonitrile, gradient elution ;

Flow rate: 1.2 ml/min;

Column temperature: 40 °C;

The wave length of determination: 274 nm.

[Storage]

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

[References]

[1] Yasumoto E, Nakano K, Nakayachi T, *et al. Anticancer Res.*, 2004, 24(2B):755-62.

[2] van Ginkel M F, Gb V D V, D'Haese P C, *et al. J. Lab. Clin. Med.*, 1993, 121(3):453-60.

[3] Hyun Cheol J, Hee-Do H, Young-Chan K, *et al. Pharmacogn. Mag.*, 2015, 11(43): 657-64.

[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