

## Methyl salicylate Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** Methyl salicylate

**Catalog No.:** CFN98549

**Cas No.:** 119-36-8

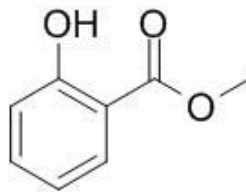
**Purity:** >=98%

**M.F:** C<sub>8</sub>H<sub>8</sub>O<sub>3</sub>

**M.W:** 152.15

**Physical Description:** Oil

**Synonyms:** 2-Hydroxy-benzoic acid methyl ester; Benzoic acid, 2-hydroxy-, methyl ester; Betula; Betula Lenta; Gaultheria oil.



### [ Intended Use ]

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

### [ Source ]

The leaves of *Cassia acutifolia* Delile.

### [ Biological Activity or Inhibitors ]

Methyl salicylate is a common herbivore-induced plant volatile that, when applied to crops, has the potential to enhance natural enemy abundance and pest control. <sup>[1]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: Methanol- Triethylamine phosphate(take triethylamine 4 mL,adding water to 1000 mL,adjust pH to 2.5 with phosphoric acid)=55:45;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 220 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Lee J C. *Environmental Entomology*, 2010, 39(2):653-60.

[2] Fei F, Liu P M, Li F W, *et al.Chinese Journal of Pharmaceutical Analysis*, 2011, volume 31(11):2185-7.

## **[ Contact ]**

### **Address:**

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

**Email:** [info@chemfaces.com](mailto:info@chemfaces.com)

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)