

## 3-Geranyl-4-methoxybenzoic acid Datasheet

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

### [ Product Information ]

**Name:** 3-Geranyl-4-methoxybenzoic acid

**Catalog No.:** CFN98266

**Cas No.:** 246266-38-6

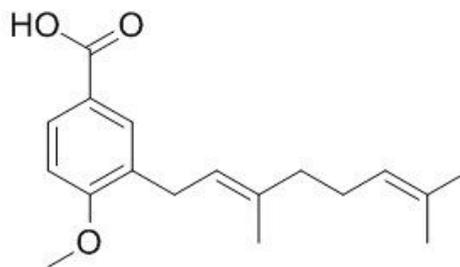
**Purity:** > 95%

**M.F:** C<sub>18</sub>H<sub>24</sub>O<sub>3</sub>

**M.W:** 288.4

**Physical Description:** Powder

**Synonyms:** 3-(3,7-Dimethyl-2,6-octadienyl)-4-methoxybenzoic acid.



### [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Others.

### [ Source ]

The herb of *Piper aduncum*.

### [ Biological Activity or Inhibitors ]

3-Geranyl-4-hydroxybenzoic acid exhibits stronger inhibition effect on the activation of hyaluronidase than that of tranilast. [1]

3-Geranyl-4-hydroxy-5-(3'-methyl-2'-butenyl)benzoic acid, isolated from *Myrsine seguinii*, has anti-inflammatory activity.[2]

## **[ Solvent ]**

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

## **[ HPLC Method ]**<sup>[3]</sup>

Mobile phase: Acetonitrile- 0.1% Acetic acid H<sub>2</sub>O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 270 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Masuoka C, Ono M, Ito Y, *et al. Food Sci. Technol. Int. Tokyo*, 2003, 9(4):197-201.

[2] Dong M, Nagaoka M, Miyazaki S, *et al. Biosci. Biotechnol. Biochem.*, 2014, 63(9): 1650-3.

[3] Morandim A D A, Kato M J, Cavalheiro A J, *et al. Afr. J. Biotechnol.*, 2009, 8(10): 2157-62.

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