

## Trimethylgallic acid Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

### [ Product Information ]

**Name:** Trimethylgallic acid

**Catalog No.:** CFN92508

**Cas No.:** 118-41-2

**Purity:** > 98%

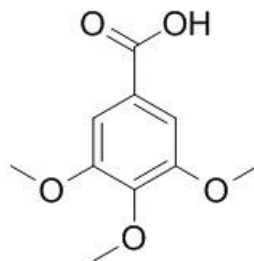
**M.F:** C<sub>10</sub>H<sub>12</sub>O<sub>5</sub>

**M.W:** 212.2

**Physical Description:** Powder

**Synonyms:** Gallic acid trimethyl ether; 3,4,5-Trimethoxybenzoate;

3,4,5-Trimethoxy benzoic acid.



### [ Intended Use ]

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

### [ Source ]

The branches of *Eucalyptus globulus* Labill.

### [ Biological Activity or Inhibitors ]

Trimethylgallic acid esters are potent antioxidants and inhibitor of cytokine production, can ameliorate chronic stress-induced various behavioral and biochemical alterations in mice, showing protective effects against chronic stress.<sup>[1]</sup>

Trimethylgallic acid esters exert hepatoprotective effects in CCl<sub>4</sub>-induced rats, specifically by modulating oxidative-nitrosative stress and inflammation.<sup>[2]</sup>

## **[ Solvent ]**

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

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

Mobile phase: 0.1% Acetic acid in water- Methanol, gradient elution ;

Flow rate: 0.9 ml/min;

Column temperature: 30 °C;

The wave length of determination: 278 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Dhingra M S, Dhingra S, Kumria R, *et al. Pharmacological Reports Pr*, 2014, 66(4): 606-12.

[2] Sachdeva M, Chadha R, Kumar A, *et al. Indian J. Exp. Biol.*, 2015, 53(12):803-9.

[3] Sawant L, Prabhakar B, Pandita N. *Journal of Analytical & Bioanalytical Techniques*, 2010, 1(1):1-4.

## **[ Contact ]**

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