

3,4-Dimethoxyphenol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 3,4-Dimethoxyphenol

Catalog No.: CFN98027

Cas No.: 2033-89-8

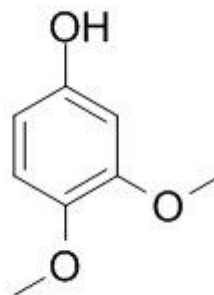
Purity: > 98%

M.F: C₈H₁₀O₃

M.W: 154.2

Physical Description: Oil

Synonyms: 1-Hydroxy-3,4-dimethoxybenzene.



[Intended Use]

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

[Source]

The herbs of *Tripterygium wilfordii*.

[Biological Activity or Inhibitors]

3,4-Dimethoxyphenol has inhibition of melanin synthesis, it may be used as whitening agents in cosmetics.^[1]

3,4-Dimethoxyphenol and 1,3,5-trimethoxybenzene have antimicrobial activity.^[2]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol -H₂O, gradient elution;

Flow rate: 0.95 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Tanimoto S, Tominaga H, Okada Y, *et al. Yakugaku Zasshi.*, 2006 Mar; 126(3):173-7.

[2] Furtado N A, Said S, Ito I Y, *et al. Microbiol. Res.*, 2002, 157(3):207-11.

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