

Homovanillic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Homovanillic acid

Catalog No.: CFN99763

Cas No.: 306-08-1

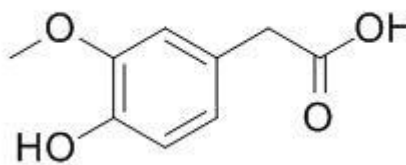
Purity: >=99%

M.F: C₉H₁₀O₄

M.W: 182.17

Physical Description: Powder

Synonyms: 4-Hydroxy-3-methoxyphenylacetic acid.



[Intended Use]

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

[Source]

The barks of *Ilex rotunda* Thunb.

[Biological Activity or Inhibitors]

Homovanillic acid concentrations in brain, CSF and plasma as indicators of central

dopamine function in primates.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile- 3% Acetonitrile in 0.05 M aqueous sodium citrate buffer
(pH=5.0)=30:70 ;

Flow rate: 2.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 230 nm.

[Storage]

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

[References]

[1] Elsworth J D, Leahy D J, Roth R H, *et al. J. Neural. Transm.*, 1987;68(1-2):51-62.

[2] van Haard P M, Wielders J P, Wikkerink J B. *Biomed. Chromatogr.* 1987, 2(5):209-15.

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