

Ethylparaben Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Ethylparaben

Catalog No.: CFN99320

Cas No.: 120-47-8

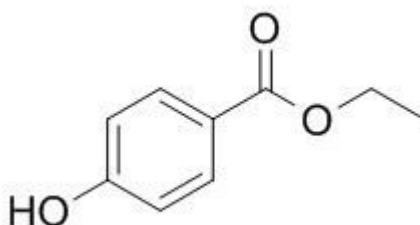
Purity: > 98%

M.F: C₉H₁₀O₃

M.W: 166.2

Physical Description: Powder

Synonyms: 4-Hydroxy-Benzoic acid ethylester; Sobrol A; Ethyl 4-hydroxybenzoate.



[Intended Use]

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

[Source]

From *male melon fly Dacus cucurbitae*.

[Biological Activity or Inhibitors]

Parabens, which mainly include methylparaben, ethylparaben, propylparaben, and Butylparaben, are widely used as cosmetic and food preservatives, many studies have demonstrated that they have estrogenic effects, and can affect the normal development and functions of the reproductive systems in a number of animal species.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-Tetrahydrofuran- H₂O=21:13:66;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 258 nm.

[Storage]

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

[References]

[1] Liu T, Li Y, Zhao X, *et al. J. Insect. Physiol.*, 2014 Dec; 71:1-7.

[2] Shabir G A. *Indian J. Pharm. Sci.*, 2010 Jul-Aug; 72(4):421-5.

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