

Sorbic acid Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Sorbic acid

Catalog No.: CFN90061

Cas No.: 110-44-1

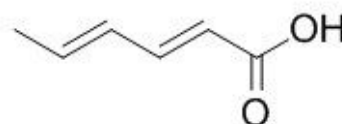
Purity: >=98%

M.F: C₆H₈O₂

M.W: 112.13

Physical Description: Powder

Synonyms: (2E,4E)-hexa-2,4-dienoic acid.



[Intended Use]

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

[Source]

Not data available.

[Biological Activity or Inhibitors]

Sorbate (sorbic acid) generally is an effective inhibitor of most molds and yeasts and some bacteria.^[1]

Food preservatives sodium sulfite and sorbic acid suppress mitogen-stimulated peripheral blood mononuclear cells, they have a suppressive influence on the activated Th1-type immune response.^[2]

Sorbic acid has fungicidal activity against *Saccharomyces cerevisiae*.^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Acetate buffer (pH = 4.4) - Methanol =65:35 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 235 nm.

[Storage]

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

[References]

[1] Liewen M B, Marth E H. *J. Food Protect.*, 1985, 48:364-75.

[2] Winkler C, Frick B K, Schennach H, *et al. Food Chem. Toxicol.*, 2006, 44(12):2003-7.

[3] Kubo I, Lee S H. *J. Agr. Food Chem.*, 1998, 46(10):4052-5.

[4] Implvo F, Mendes E, Brito P, *et al. Food Res. Int.*, 2000, 33(2):113-7.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,

Wuhan Economic and Technological Development Zone,

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Wuhan, Hubei 430056,
China

Web: www.chemfaces.com

Tech Support: service@chemfaces.com