

Succinic acid Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Succinic acid

Catalog No.: CFN99100

Cas No.: 110-15-6

Purity: >=99%

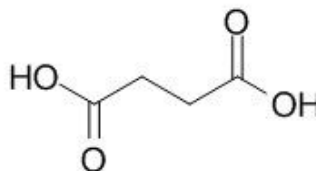
M.F: C₄H₆O₄

M.W: 118.09

Physical Description: Powder

Synonyms: Asuccin; Bernsteinsaure; Butanediacid; Ethane-1,2-dicarboxylicacid;

Ethanedicarboxylic acid;Ethylene succinic acid.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Agricultural research
5. Care and daily chemicals;
6. Intermediates & Fine Chemicals;
7. Ingredient in supplements, beverages;
8. Others.

[Source]

The rhizome of *Gastrodia elata*.

[Biological Activity or Inhibitors]

Succinic acid, derived from fermentation of agricultural carbohydrates, has a specialty chemical market in industries producing food and pharmaceutical products, surfactants and detergents, green solvents and biodegradable plastics, and ingredients to stimulate animal and plant growth.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 25 mM KH₂PO₄ (pH 2.5) ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1]Zeikus J G, Jain M K, Elankovan P. *Appl. Microbiol. Biotech.*, 1999, 51(5):545-52.

[2]Chen K, Wei P, Cai T, *et al. Chinese Journal of Bioprocess Engineering*, 2005, 3(2):50-52,57.

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