

Erythritol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Erythritol

Catalog No.: CFN99620

Cas No.: 17020-04-1

Purity: > 95%

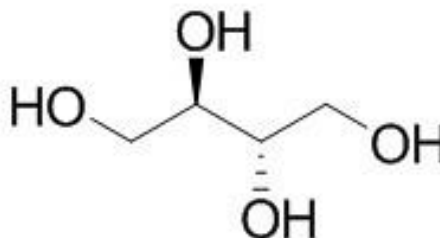
M.F: C₄H₁₀O₄

M.W: 122.1

Physical Description: Oil

Synonyms: 1,2,3,4-Butanetetrol meso-1,2,3,4-Tetrahydroxybutane i-Erythritol;

1,2,3,4-Butanetetrol; meso-Erythritol.



[Intended Use]

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

[Source]

From *Candida lipolytica*.

[Biological Activity or Inhibitors]

Erythritol is a biological sweetener with applications in food and pharmaceutical industries, it is also used as a functional sugar substitute in special foods for people with diabetes and obesity because of its unique nutritional properties.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O=90:10 ;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 277 nm.

[Storage]

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

[References]

[1] Moon H J, Jeya M, Kim I W, *et al. Appl. Microbiol. Biotechnol.*, 2010, 86(4):1017-25.

[2] Ge C, Zhang J, Chen J. *Se Pu*, 2012, 30(30):843-6.

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