

Product Data Sheet

Product Name: 1,3-Butanediol

Cat. No.: GC62352

Chemical Properties

Cas. No. 107-88-0

Formula $C_4H_{10}O_2$

M.Wt 90.12

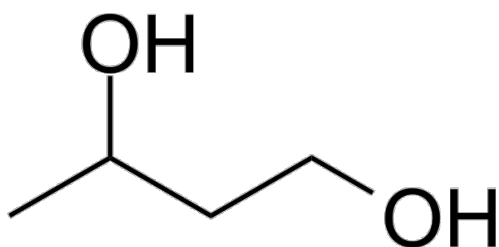
Solubility H_2O : ≥ 500 mg/mL (5548.16 mM);
DMSO : 100 mg/mL (1109.63 mM);
Need ultrasonic)

Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

1,3-Butanediol, an ethanol dimer providing a source of calories for human nutrition. 1,3-Butanediol is converted in the body to β -hydroxybutyrate and has cerebral protective and hypoglycaemic effect[1] [2].

[1]. C Marie, et al. Protective action of 1,3-butanediol in cerebral ischemia. A neurologic, histologic, and metabolic study. J Cereb Blood Flow Metab. 1987 Dec;7(6):794-800.

Caution: Product has not been fully validated for medical applications. For research use only.

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[2]. R B Tobin, et al. Nutritional and metabolic studies in humans with 1,3-butanediol. Fed Proc. 1975 Nov;34(12):2171-6.

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