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**Product Data Sheet**

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Product Name: (S)-3,4-Dihydroxybutyric acid

Cat. No.: GC30649

**Chemical Properties**

Cas. No. 51267-44-8

SMILES O=C(O)C[C@H](O)COFormula  $C_4H_8O_4$  M.Wt 120.1

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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 (S)-3,4-Dihydroxybutyric acid**Background**

(S)-3,4-Dihydroxybutyric acid is a normal human urinary metabolite that is excreted in increased concentration in patients with succinic semialdehyde dehydrogenase (SSADH) deficiency.

[1]. Shinka T, et al. Rapid and sensitive detection of urinary 4-hydroxybutyric acid and its related compounds by gas chromatography-mass spectrometry in a patient with succinic semialdehyde dehydrogenase deficiency. J Chromatogr B Analyt Technol Biomed Life Sci. 2002 Aug 25;776(1):57-63.

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

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