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**Product Data Sheet**

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Product Name: 2-Hydroxy-3-methylbutanoic acid

Cat. No.: GC31222

**Chemical Properties**

Cas. No. 4026-18-0

SMILES CC(C)C(O)C(O)=OFormula  $C_5H_{10}O_3$  M.Wt 118.13

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 **Background**

2-Hydroxy-3-methylbutanoic acid (3-Methyl-2-hydroxybutyric acid, 2-Hydroxyisopentanoic acid, 2-Oxyisovaleric acid) is a metabolite found in the urine of patients with phenylketonuria, methylmalonic acidemia, propionic acidemia, 3-ketothiolase deficiency, isovaleric acidemia, 3-methylcrotonylglycemia, 3-hydroxy-3-methylglutaric acidemia, multiple carboxylase deficiency, glutaric aciduria, ornithine transcarbamylase deficiency, glyceroluria, tyrosinemia type I, galactosemia, and maple syrup urine disease.

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

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