

Product Name	: 2-Hydroxy-3-methylbutyric acid
Synonyms	: 2-Hydroxy-3-methylbutanoic acid;(±)-2-Hydroxyisopentanoic Acid;2-Hydroxyisovaleric Acid
Cat No.	: M19995
CAS Number	: 4026-18-0
Molecular Formula	: C ₅ H ₁₀ O ₃
Formula Weight	: 118.13
Chemical Name	: —
Description	: 2-Hydroxy-3-methylbutyric acid (2-hydroxyisovaleric 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.
Pathway	: Others
Target	: Other Targets
Receptor	: Others
Solubility	: DMSO:194.7 mM
SMILES	: <chem>CC(C)C(O)C(O)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Magni F et al. Simultaneous determination of plasma levels of alpha-ketoisocaproic acid and leucine and evaluation of alpha-[1-¹³C]ketoisocaproic acid and [1-¹³C]leucine enrichment by gas chromatography-mass spectrometry. Anal Biochem. 1994 Aug 1;220(2):308-14.