

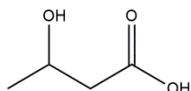
(±)-β-Hydroxybutyrate

06/19

ALTERNATE NAMES: 3-hydroxybutyric acid; 3-hydroxybutanoic acid; DL-beta-Hydroxybutyric acid; 3-oxidanylbutanoic acid; NSC 3806

CATALOG #: B2829-100 100 mg
B2829-500 500 mg

STRUCTURE:



MOLECULAR FORMULA: C₄H₈O₃

MOLECULAR WEIGHT: 104.10

CAS NUMBER: 300-85-6

APPEARANCE: Liquid or Solid (due to low melting point)

PURITY: ≥95%

DESCRIPTION: (±)-β-Hydroxybutyrate is a ketone body which accumulates in blood during fasting when the liver switches to fatty acid oxidation or in Diabetic Ketoacidosis. It is an inhibitor of class I histone deacetylases (HDACs). It increases global histone acetylation in mouse tissues. It Inhibits HDAC and increases expression of genes encoding oxidative stress resistance *Foxo3a* and *Mt2*.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Givinostat hydrochloride (Cat. No. B2081)
4SC-202 (Cat. No. B1230)
BG-45 (Cat. No. B1866)
4-Iodo-SAHA (Cat. No. B2800)
Coumarin-SAHA (Cat. No. B2805)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***