Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@m2stage.hellobio.com



# **DATASHEET**

(R)-3-Hydroxybutyric acid

### **Product overview**

Name (R)-3-Hydroxybutyric acid

Cat No HB4640 **Purity** >98%

Description Endogenous HDAC1, HDAC3 and HDAC4 inhibitor

## **Biological Data**

**Biological description** HDAC1, HDAC3 and HDAC4 inhibitor. Key metabolite of the ketolytic pathway generating acetyl-CoA.

> Stereoselective product of D-3-hydroxybutyrate dehydreogenase. Clinically and physiologically significant stereoisomer. Energy carrier from adipocytes to peripheral tissues during fasting or exercise. Ligand of free fatty acid receptor 3 (FFAR3; GPR41) and hydroxycarboxylic acid receptor 2 (HCAR2; GPR109B). NLRP3 inflammasome inhibitor. Prevents K+-efflux and reduces ASC

oligomerization and speck formation.

## **Solubility & Handling**

Storage instructions

Important

Room temperature

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

### **Chemical Data**

Molecular Weight Chemical structure 104.1 625-72-9

**CAS Number PubChem identifier** 

**SMILES** 

CC(O)CC(O)=O

InChiKey WHBMMWSBFZVSSR-GSVOUGTGSA-N

**Appearance** White solid