

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

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

customercare-usa@m2stage.hellobio.com



DATASHEET

(S)-3-Hydroxybutyric acid

Product overview

Name	(S)-3-Hydroxybutyric acid
Cat No	HB4641
Purity	>98%
Description	Endogenous HDAC1, HDAC3 and HDAC4 inhibitor

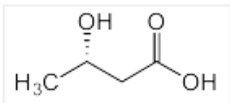
Biological Data

Biological description	Physiologically insignificant stereoisomer of (R)-3-Hydroxybutyric acid, a key metabolite of the ketolytic pathway. Anticonvulsant. Endogenous inhibitor of histone deacetylases (HDACs) 1, 3 and 4. 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.
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Solubility & Handling

Storage instructions	Room temperature
Important	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	104.1
Chemical structure	
CAS Number	6168-83-8
PubChem identifier	0
SMILES	<chem>C[C@H](O)CC(=O)O</chem>
InChIKey	WHBMMWSBFZVSSR-VKHYMYHEASA-N
Appearance	White solid