Data Sheet (Cat.No.TRP-00815)

TargetMol

β-Hydroxybutyrate Dehydrogenase, Rhodopseudomonas sphaeroides

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	β-Hydroxybutyrate Dehydrogenase, Pseudomonas lemoignei (EC 1.1.1.30), is a soluble cytosolic enzyme that functions without the need for phospholipid allosteric activators. It plays a crucial role in metabolizing ketone bodies as a source of energy by catalyzing the oxidation of 3-hydroxybutyrate to acetoacetate. This reaction represents the initial step in the conversion of ketone bodies to citrate, which is then further metabolized through the tricarboxylic acid cycle (Krebs cycle).
Targets(IC50)	Endogenous Metabolite

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