Creative Enzymes®

Acetoacetyl coenzyme A sodium salt

Cat. No. CSUB-0739

Lot. No. (See product label)

Introduction

Description	Acetoacetyl coenzyme A sodium salt may be used as a substrate for a number of enzymes including; ACAT(acetoacetyl-CoA thiolase (EC 2.3.1)) which produces acetyl-CoA in reverse condensation reaction; mHMGCS and cHMGCS (3-Hydroxy-3-methylglutaryl coenzyme A (CoA) synthase (HMGCS)) which produces 3-hydroxy-3-methylglutaryl (HMG)-CoA in the mevalonate pathway leading to terpenoid biosynthesis. Acetoacetyl-CoA is also a precursor of poly-beta-hydroxybutyrate polymers in microorganisms.
Applications	A substrate used by a number of enzymes including ACAT (acetoacetyl-CoA thiolase)
Synonyms	Acetoacetyl-CoA•xNa

Product Information

Form	Solid
CAS No.	102029-52-7
Molecular Formula	C25H37N7O18P3S•xNa
Molecular Weight	851.61
Purity	>90%
Solubility	Soluble in water (50 mg/ml).
Substrates	Esterase

Storage and Shipping Information

Storage	Store at -20° C