3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

ProductInformation

DL-3-Hydroxy-3-methylglutaryl coenzyme A sodium salt

Product Number **H 6132**
Storage Temperature -0 °C

Product Description

Molecular Formula: $C_{27}H_{42}N_7Na_2O_{20}P3S \bullet 3H_2O$
Molecular Weight: 1009
CAS Number: 103476-21-7
λ_{max}: 259 nm[1]
Extinction Coefficient: E^{mM} = 15.4 (259 nm in 100 mM phosphate buffer, pH 7.0).

HMG-CoA is an important intermediate in cholesterogenesis, ketogenesis, and leucine catabolism.[2]

Methods on the determination of short-chain acyl-CoA esters by HPLC have been published.[3]

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

This product is soluble in water (50 mg/ml), yielding a clear solution.

References

1. Specifications and Criteria for Biochemical Compounds, 3rd Ed., National Research Council (Washington, DC: 1972), p. 86.
2. Deana, R., et al., Formation of acetoacetate from 3-hydroxy-3-methylglutarate by rat liver and isolation of a mitochondrial coenzyme A-transferase activity involved. Biochem. J., **138**, 481-486 (1974).
3. Hosokawa, Y., et al., Determination of short-chain acyl-coenzyme A esters by high-performance liquid chromatography. Anal. Biochem., **153**, 45-49 (1986).

MWM/JRC 9/02