



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

## Product Information

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

Product Number **H 6132**

Storage Temperature -0 °C

#### Product Description

Molecular Formula:  $C_{27}H_{42}N_7Na_2O_{20}P_3S \bullet 3H_2O$

Molecular Weight: 1009

CAS Number: 103476-21-7

$\lambda_{max}$ : 259 nm<sup>1</sup>

Extinction Coefficient:  $E^{mM} = 15.4$  (259 nm in 100 mM phosphate buffer, pH 7.0).

HMG-CoA is an important intermediate in cholesterologenesis, ketogenesis, and leucine catabolism.<sup>2</sup>

Methods on the determination of short-chain acyl-CoA esters by HPLC have been published.<sup>3</sup>

#### 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

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.