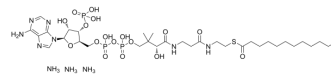


12:0 Coenzyme A

Cat. No.:	HY-E70256
CAS No.:	799812-84-3
Molecular Formula:	C ₃₃ H ₆₇ N ₁₀ O ₁₇ P ₃ S
Molecular Weight:	1000.93
Target:	Biochemical Assay Reagents; Endogenous Metabolite
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

12:0 Coenzyme A (Lauroyl coenzyme A triammonium) is an intermediary in fatty acid synthesis or metabolism, formed by combining long-chain fatty acids (or lauric acid) with coenzyme A. 12:0 Coenzyme A is involved in lipid biosynthesis and fatty acid transport, in which coenzyme A acts as a transport molecule to help move and target specific compounds^{[1][2]}.

REFERENCES

- [1]. Musayev F, et al. Crystal structure of a substrate complex of Mycobacterium tuberculosis β -ketoacyl-acyl carrier protein synthase III (FabH) with lauroyl-coenzyme A[J]. Journal of molecular biology, 2005, 346(5): 1313-1321.
- [2]. Oba Y, Sato M, Ojika M, et al. Enzymatic and genetic characterization of firefly luciferase and Drosophila CG6178 as a fatty acyl-CoA synthetase[J]. Bioscience, biotechnology, and biochemistry, 2005, 69(4): 819-828.

Caution: Product has not been fully validated for medical applications. For research use only.

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