Creative Enzymes®

Myristoyl CoA lithium salt

Cat. No. MCLSG-001

Lot. No. (See product label)

Introduction

Description	Myristoyl CoA lithium salt is a long-chain fatty acyl-CoA derivative containing a saturated C14 myristoyl group linked to coenzyme A through a thioester bond.
Applications	Suitable for N-myristoyltransferase assays, protein myristoylation studies, and research on fatty-acid biosynthesis, elongation, and beta-oxidation.
Synonyms	Myristoyl-CoA lithium salt; Myristoyl coenzyme A lithium salt; Tetradecanoyl-CoA lithium salt; n-Tetradecanoyl coenzyme A lithium salt

Product Information

CAS No.	3130-72-1 (free base)
Molecular Formula	$C_{35}H_{62}N_7O_{17}P_3S$ (free acid basis)
Chemical Name	n-Tetradecanoyl coenzyme A lithium salt
Molecular Weight	977.89 g/mol (free acid basis)
Purity	≥90%
Structure	C14:0 fatty acyl-CoA thioester, lithium salt
Pathway	Fatty acid biosynthesis; fatty acid elongation; beta-oxidation; protein myristoylation
Function	Serves as an acyl donor for N-myristoyltransferase-mediated transfer of a myristoyl group to an N-terminal glycine residue.