

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

C₃₅H₆₂N₇O₁₇P₃S (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.