Creative Enzymes®

Hexadecanedioic Acid Mono-tert-Butyl Ester

Cat. No. CEGZ-6534

Lot. No. (See product label)

Introduction

Description	Hexadecanedioic Acid Mono-tert-Butyl Ester is a 99% pure, mono-protected C16 dicarboxylic acid intermediate with one free carboxyl group.
Applications	Protected long-chain linker synthesis Selective carboxyl coupling Peptide lipidation intermediate preparation Multistep organic synthesis
Synonyms	16-(tert-Butoxy)-16-oxohexadecanoic acid; Mono-tert-butyl hexadecanedioate

Product Information

CAS No.	843666-27-3
Molecular Formula	$C_{20}H_{38}O_4$
Chemical Name	16-(tert-Butoxy)-16-oxohexadecanoic acid
Molecular Weight	342.519
Purity	99%
Structure	Hexadecanedioic acid with one terminal carboxyl group protected as a tert-butyl ester
Composition	Mono-tert-butyl ester of hexadecanedioic acid
Function	Protected long-chain dicarboxylic acid building block
Grade	Research grade
Usage	For laboratory research and chemical synthesis only.