Creative Enzymes®

Octadecanedioic Acid

Cat. No. CEGZ-6531

Lot. No. (See product label)

Introduction

Description	Octadecanedioic Acid is a 99% pure long-chain α,ω-dicarboxylic acid with terminal carboxyl groups at both ends of an eighteen-carbon aliphatic chain.
Applications	Long-chain dicarboxylic acid derivative synthesis Selective protection and deprotection studies Peptide side-chain and linker intermediate preparation Polyamide and polyester research Specialty material development
Synonyms	1,18-Octadecanedioic acid; Octadecane-1,18-dioic acid

Product Information

Appearance	White to gray solid
Form	Solid
CAS No.	871-70-5
Molecular Formula	$C_{18}H_{34}O_4$
Chemical Name	Octadecane-1,18-dioic acid
Molecular Weight	314.466
Purity	99%
Impurities	Individual impurity: ≤0.5% Total impurities: ≤1.0%
Structure	Long-chain α,ω-dicarboxylic acid with an eighteen-carbon aliphatic backbone
Composition	Octadecanedioic acid
Function	Bifunctional long-chain carboxylic acid building block
Quality	Identity: Conforms to reference standard Loss on drying: ≤1.0% Residue on ignition: ≤0.5%
Grade	Research grade
Usage	For laboratory research and chemical synthesis only.

Storage and Shipping Information

Storage	Store sealed and protected from light.