Creative Enzymes®

Eicosanedioic Acid

Cat. No. CEGZ-6532

Lot. No. (See product label)

Introduction

Description	Eicosanedioic Acid is a 99% pure long-chain aliphatic dicarboxylic acid containing two terminal carboxyl groups.
Applications	Long-chain derivative synthesis Esterification and amidation studies Functional molecular design Specialty chemical research
Synonyms	Icosanedioic acid; Eicosane-1,20-dioic acid

Product Information

CAS No.	2424-92-2
Molecular Formula	$C_{20}H_{38}O_4$
Chemical Name	Eicosane-1,20-dioic acid
Molecular Weight	342.519
Purity	99%
Structure	Long-chain α,ω-dicarboxylic acid with a twenty-carbon aliphatic backbone
Composition	Eicosanedioic acid
Function	Bifunctional long-chain carboxylic acid intermediate
Melting Point	127 °C
Boiling Point	504.1 °C at 760 mmHg
Quality	Flash point: 272.8 °C Polar surface area: 74.60000 Å² LogP: 6.17740 Predicted pKa: 4.48 ± 0.10
Density	0.984 g/cm³
Grade	Research grade
Usage	For laboratory research and chemical synthesis only.