

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

C₂₀H₃₈O₄

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.