

Octanoic Acid

Catalog Number: 14504

DESCRIPTION

Octanoic acid, also known as caprylic acid, is a medium chain saturated fatty acid. Octanoic acid can be used to formulate self-emulsifying drug delivery systems (SEDDS) that significantly improve the bioavailability, especially for highly metabolized drugs, compared to the drug alone. Octanoic acid is also often included in the inner phase core of polymer-based nanoparticles to solubilize a wide range of drugs.

SPECIFICATIONS

CAS Number	124-07-2
Purity	>99%
Molecular Weight	144.2 g/mol
Appearance	Liquid
Storage	Room temperature
Synonyms(s)	Caprylic acid, Capric triglyceride, 1-Heptanecarboxylate
Formula	$C_8H_{16}O_2$

PREPARATION

Octanoic acid is soluble in ethanol, chloroform, and ether and slightly soluble in water (0.68 g/L). Before dissolving, purge solvent of choice with an inert gas, such as argon or nitrogen.

