



PAMAM dendrimer G4.0 succinamic acid, water solution

Cat. No.: OB0626WX-3799

Appearance: Liquid

Size: 500 mg; 1 g; 2 g

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description

PAMAM dendrimer G4.0 succinamic acid is an anionic polyamidoamine macromolecule displaying 64 succinamic acid surface groups and a diameter of approximately 45 Å, engineered for targeted antimicrobial and antiviral drug delivery. This carboxylated polymer exerts direct antibacterial and antiviral actions, forms advanced lipid-dendrimer hybrid nanoparticles to enhance glycopeptide efficacy against drug-resistant pathogens, and can be carbohydrate-functionalized to prevent localized viral infection in respiratory tissue models.

Formulation

Aqueous solution

Synonyms

PAMAM G4.0 Succinamic Acid; Polyamidoamine Dendrimer G4.0 Succinamic Acid

Formula Weight

20615

Specification

Solubility in Other Solvents

Soluble in water.

Stability

1 year

Storage

Storage at -20°C.

Applications

PAMAM dendrimer G4.0 succinamic acid, water solution is used in polymer and nanomaterial research for investigating succinyl-functionalized dendrimer systems, surface chemistry, and molecular interactions. It supports development and characterization of functional polymer platforms for experimental applications.