



PAMAM dendrimer G5.0 succinamic acid, water solution

Cat. No.: OB0626WX-3797

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 G5.0 succinamic acid is a generation 5.0 polyamidoamine macromolecule displaying 128 surface-exposed succinamic acid groups and a diameter of approximately 59 Å. The anionic surface chemistry provides intrinsic antibacterial activity against specific Gram-positive strains and blocks viral plaque formation, while serving as a highly biocompatible drug delivery platform that safely encapsulates anthracycline chemotherapeutics to decrease carcinoma viability without inducing the systemic aquatic toxicity seen in amine-terminated counterparts.

Formulation

Aqueous solution

Synonyms

Polyamidoamine Dendrimer G5.0 Succinamic Acid; PAMAM G5.0 Succinamic Acid

Formula Weight

41626

Specification

Solubility in Other Solvents

Soluble in water.

Stability

1 year

Storage

Storage at -20°C.

Applications

PAMAM dendrimer G5.0 succinamic acid, water solution is used as a functionalized dendrimer reagent for polymer chemistry and nanomaterial research. It supports studies of surface modification, dendrimer-based delivery systems, and investigation of how terminal functional groups influence polymer properties and molecular interactions.