



Polysarcosine100

Cat. No.:	OB0626WX-3776
Appearance:	Solid
Purity:	≥90%
Identity:	Confirmed by NMR, TLC, and IR.
Size:	1 mg; 5 mg; 10 mg; 25 mg

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

Product Overview

Description	Polysarcosine100 is an amine-terminated hydrophilic polypeptoid polymer designed to functionalize the outer boundaries of self-assembled colloidal carriers. It serves as a highly biocompatible steric modifier that can be inserted into liposomal bilayers, forming a dense hydrophilic cloud that shields the vesicle from surface-mediated clearance pathways and substantially increases systemic circulation longevity.
Synonyms	N-butyl-2-(methyl((methylamino)methyl)amino)acetamide; pSar100
Formula	$(C_3H_5NO)_n C_6H_{16}N_2$

Specification

Solubility in Other Solvents	Soluble in chloroform and methanol.
Canonical SMILES	<chem>CCCCNC(CN(C)CNC)=O</chem>
Stability	1 year
Storage	Storage at -20°C.
Applications	Polysarcosine100 is used as a polymer component for lipid formulation and biomaterial research, supporting studies of polymer-modified lipid assemblies, surface functionalization strategies, and nanoparticle formulation properties. It enables investigation of how hydrophilic polymer modifications influence lipid-based system characteristics.