



Polysarcosine50

Cat. No.:	OB0626WX-3710
Appearance:	Solid
Purity:	≥90%
Identity:	Confirmed by NMR.
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	Polysarcosine50 is an amine-functionalized hydrophilic polymer architecture designed to modulate the surface chemistry and biophysical properties of particulate systems. This hydrophilic block can be integrated into functionalized copolypeptides to enhance the aqueous stability of inorganic core materials. When utilized as a surface modifier for vesicular membranes, the polymer chain introduces steric hydration barriers that extend biological circulation half-life.
Synonyms	N-butyl-2-(methyl((methylamino)methyl)amino)acetamide; pSar50
Formula	$(C_3H_5NO)_n C_6H_{16}N_2$

Specification

Solubility in Other Solvents	Soluble in chloroform.
Canonical SMILES	<chem>CCCCNC(CN(C)C)C(=O)N</chem>
Stability	1 year
Storage	Storage at -20°C.
Applications	Polysarcosine50 is utilized in biomaterial and lipid formulation research to investigate polysarcosine-based polymer properties and surface modification strategies. It supports studies of polymer-lipid interactions, nanoparticle stabilization approaches, and the development of functional delivery materials.