

Product Data Sheet

Product Name: Polysarcosine100

Cat. No.: GC91877

Chemical Properties

Cas. No.

Chemical Name N-butyl-2-(methyl((methylamino)methyl)amino)acetamide

SMILES CCCCNC(CN(C)C)C(=O)N

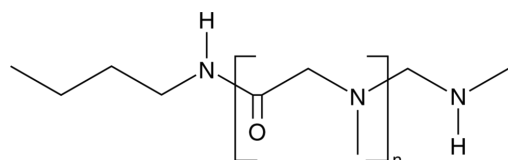
Formula $(C_3H_5NO)_n C_6H_{16}N_2$ M.Wt

Solubility Chloroform: soluble, Methanol: soluble Storage $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Polysarcosine100 is an amine-functionalized hydrophilic polymer.^{1,2,3} Surface modification of liposomes with polysarcosine polymers between 10 and 100 units long have been used to increase circulation half-life.^{2,3}

References:

- [1]. Weber, B., Birke, A., Fischer, K., et al. Solution properties of polysarcosine: From absolute and relative molar mass determinations to complement activation *Macromolecules* 51(7)2653–2661 (2018).
- [2]. Weber, B., Seidl, C., Schwirtz, D., et al. Polysarcosine-based lipids: From lipopolymer to micelles to stealth-like lipids in Langmuir Blodgett monolayers *Polymers (Basel)* 8(12)427 (2016).
- [3]. Bleher, S., Buck, J., Muhl, C., et al. Poly(sarcosine) surface modification imparts stealth-like

Caution: Product has not been fully validated for medical applications. For research use only.

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properties to liposomesSmall15(50)e1904716(2019).

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