

Product Data Sheet

Product Name: Azide-Polysarcosine50

Cat. No.: GC91881

Chemical Properties

Cas. No.

Chemical Name N-(3-azidopropyl)-2-(methyl((methylamino)methyl)amino)acetamide

SMILES O=C(CN(C)CNC)NCCCN=[N+]=[N-]

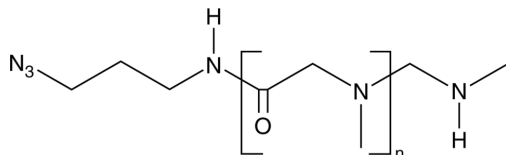
Formula $(C_3H_5NO)_n C_5H_{13}N_5$ M.Wt

Solubility Chloroform: 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

Azide-polysarcosine50 is an azide-containing form of the amine-functionalized hydrophilic polymer polysarcosine50.¹ Azide-polysarcosines have been used in the formation of hydrophobicity-masking antibody-drug conjugates for the selective release of monomethyl auristatin E to tumors in rats.

References:

[1]. Viricel, W., Fournet, G., Beaumel, S., et al. Monodisperse polysarcosine-based highly-loaded antibody-drug conjugates Chem. Sci. 10(14)4048-4053(2019).

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

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