

Product Data Sheet

Product Name: BAmP-O16B

Cat. No.: GC91839

Chemical Properties

Cas. No. N/A

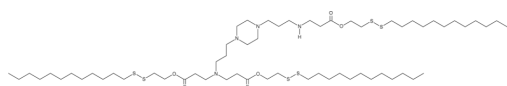
Formula $C_{61}H_{120}N_4O_6S_6$ M.Wt 1198

Solubility Chloroform: Soluble, Dichloromethane: 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

BAmP-O16B is an ionizable cationic amino lipid that has been used in the generation of lipid nanoparticles (LNPs).^[1] LNPs containing BAmP-O16B and encapsulating NSA-inactivated RNase A reduce the viability of SiHa and HeLa cancer cells, but not non-cancerous NIH3T3 and HEK293T cells, upon intracellular reactivation of RNase A by glutathione (GSH).

References:

[1]. Zheng, Q., Ma, T., and Wang, M. Unleashing the power of proenzyme delivery for targeted therapeutic applications using biodegradable lipid nanoparticles. *Acc. Chem. Res.* 57(2):208-221 (2024).

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

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