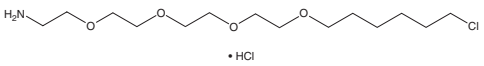
PRODUCT INFORMATION

NH_2-PEG_4-$(CH_2)_6$-Cl (hydrochloride)

Item No. 46390

CAS Registry No.: 1261238-20-3
Formal Name: 18-chloro-3,6,9,12-tetraoxaoctadecan-1-amine, monohydrochloride
Synonym: Halo-PEG_4-NH_2
MF: $C_{14}H_{30}ClNO_4 \bullet HCl$
FW: 348.3
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

NH_2-PEG_4-$(CH_2)_6$-Cl (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the NH_2-PEG_4-$(CH_2)_6$-Cl (hydrochloride) in the solvent of choice, which should be purged with an inert gas. NH_2-PEG_4-$(CH_2)_6$-Cl (hydrochloride) is sparingly soluble (1-10 mg/ml) in ethanol and DMSO.

Description

NH_2-PEG_4-$(CH_2)_6$-Cl is a heterobifunctional linker molecule.[1] It has been used in the synthesis of fluorescent ligands for covalent labeling of modified bacterial haloalkane dehalogenase reporter or fusion proteins expressed *in vitro*, *in vivo*, or in fixed cells.[1,2] NH_2-PEG_4-$(CH_2)_6$-Cl has also been used in the synthesis of chloroalkane-containing cereblon ligands.[3]

References

1. Kosaka, N., Ogawa, M., Choyke, P.L., *et al. In vivo* stable tumor-specific painting in various colors using dehalogenase-based protein-tag fluorescent ligands. *Bioconjug. Chem.* **20(7)**, 1367-1374 (2009).
2. Du, D., Albert, L., Weitzel, M., *et al.* In situ construction of imidazopyridinium fluorescent labels for bioconjugation. *Angew. Chem. Int. Ed. Engl.* **65(21)**, e6231674 (2026).
3. Steinebach, C., Sosič, I., Lindner, S., *et al.* A MedChem toolbox for cereblon-directed PROTACs. *Medchemcomm* **10(6)**, 1037-1041 (2019).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

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