2-(2-(6-chlorohexyloxy)ethoxy)ethanamine hydrochloride

Cat. No.: HY-W096093

CAS No.: 1035373-85-3

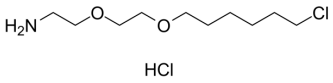
Molecular Formula: $C_{10}H_{23}Cl_2NO_2$

Molecular Weight: 260.2

Target: PROTAC Linkers

Pathway: PROTAC

Storage: -20°C, sealed storage, away from moisture
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 41.67 mg/mL (160.15 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	3.8432 mL	19.2160 mL	38.4320 mL
	5 mM	0.7686 mL	3.8432 mL	7.6864 mL
	10 mM	0.3843 mL	1.9216 mL	3.8432 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

2-(2-(6-chlorohexyloxy)ethoxy)ethanamine (hydrochloride) is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].

IC_{50} & Target

PEGs

In Vitro

PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-985.

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

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