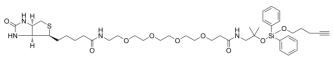
Biotin-PEG4-amino-t-Bu-DADPS-C3-alykne

Cat. No.:	HY-140928
CAS No.:	2241685-22-1
Molecular Formula:	$C_{42}H_{62}N_4O_9SSi$
Molecular Weight:	827.11
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	Biotin-PEG4-amino-t-Bu-DADPS-C3-alykne is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. Biotin-PEG4-amino-t-Bu-DADPS-C3-alykne is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.
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]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA