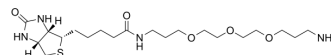


Biotin-PEG3-C3-NH2

Cat. No.:	HY-140902A
CAS No.:	183896-00-6
Molecular Formula:	C ₂₀ H ₃₈ N ₄ O ₅ S
Molecular Weight:	446.6
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)



BIOLOGICAL ACTIVITY

Description	Biotin-PEG3-C3-NH2 is a PEG-based PROTAC linker, with NH ₂ functional group, that can be used in the synthesis of PROTACs [1].
IC₅₀ & Target	PEGs
In Vitro	<p>PROTAC linkers exert function for connecting the two different ligands that make up PROTACs, the two ligands are E3 ubiquitin ligase and the target protein, respectively^[1].</p> <p>PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins^[1].</p> <p>PROTAC can significantly attenuate tumor progression in tumor xenografts^[1].</p> <p>Biotin-PEG3-C3-NH2 (compound 11) (0-2 mM; 3 h) combined with protein G (compound 6) displays fluorescence under streptavidin probes, Biotin-PEG3-C3-NH2 is a powerful tool for the high-throughput analysis of protein-small molecule interaction and profiling enzyme activities in a microarrays constructed by surface derivatization method^[3].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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.
- [2]. Park S, et al. One-step, aid-mediated method for modification of glass surfaces with N-hydroxysuccinimide esters and its application to the construction of microarrays for studies of biomolecular interactions. *Bioconjug Chem*. 2010 Jul 21;21(7):1246-53.

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

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