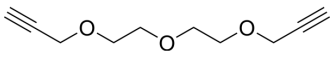
Bis-propargyl-PEG2

Cat. No.:	HY-133191
CAS No.:	126422-57-9
Molecular Formula:	$C_{10}H_{14}O_3$
Molecular Weight:	182.22
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	Pure form -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	Bis-propargyl-PEG2 is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. Bis-propargyl-PEG2 is used for the synthesis of demethylvancomycin dimers[1][2]. Bis-propargyl-PEG2 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	Bis-propargyl-PEG2 can be used in the synthesis of demethylvancomycin dimers against vancomycin-resistant enterococcus faecalis[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Shenoi RA, et al. Synthesis, characterization, and biocompatibility of biodegradable hyperbranched polyglycerols from acid-cleavable ketal group functionalized initiators. Biomacromolecules. 2012 Oct 8;13(10):3018-30.

[2]. Jiang, et al. Design, synthesis and biological activity of novel demethylvancomycin dimers against vancomycin-resistant enterococcus faecalis. Tetrahedron, 2018: 74(27), 3527–3533.

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