N3-PEG3-vc-PAB-MMAE

Cat. No.: HY-100874

Molecular Formula: $C_{67}H_{109}N_{13}O_{16}$

Molecular Weight: 1352.66

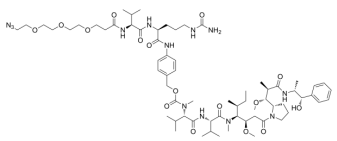
Target: Drug-Linker Conjugates for ADC

Pathway: Antibody-drug Conjugate/ADC Related

Storage:

Powder	-20°C	3 years
	4°C	2 years

* The compound is unstable in solutions, freshly prepared is recommended.



BIOLOGICAL ACTIVITY

Description	N3-PEG3-vc-PAB-MMAE is a synthesized agent-linker conjugate for ADC that incorporates the MMAE (a tubulin inhibitor) and 3-unit PEG linker. N3-PEG3-vc-PAB-MMAE shows potent antitumor activity. N3-PEG3-vc-PAB-MMAE is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAc) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.
IC_{50} & Target	Auristatin
In Vitro	Monomethyl auristatin E (MMAE; SGD-1010) is a synthetic derivative of Dolastatin 10 and functions as a potent mitotic inhibitor by inhibiting tubulin polymerization. MMAE is widely used as a cytotoxic component of antibody-drug conjugates (ADCs) to treat several different cancer types. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Angew Chem Int Ed Engl. 2020 Jul 27;59(31):12885-12893.
- Chembiochem. 2019 Sep 16;20(18):2411-2419.

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