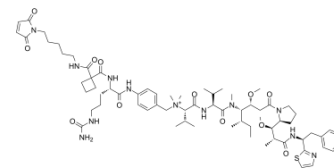


MC-Sq-Cit-PAB-Dolastatin10

Cat. No.:	HY-128894
CAS No.:	1941168-65-5
Molecular Formula:	C ₇₀ H ₁₀₅ N ₁₂ O ₁₂ S
Molecular Weight:	1338.72
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	MC-Sq-Cit-PAB-Dolastatin10 has a bioreversible linkage based on a quaternary ammonium for targeted delivery and it can improve pharmacokinetics and the therapeutic index. MC-Sq-Cit-PAB-Dolastatin10 is used for the antibody-drug conjugates (ADC) to treat various diseases or disorders, e.g. characterized by the overexpression of a tumor antigen ^[1,2] .
In Vitro	ADC1-2 (anti-CD22 10F4v3 LC K149C MC-Sq-Cit-PAB-Dolastatin 10) displays target-specific killing in WSU-DLCL2 human diffuse large B-cell lymphoma tumors with IC ₅₀ of 0.385 nM, and ADC1-1 (anti-Napi2b 10H1 11.4B LC K149C MC-Sq-Cit-PAB-Dolastatin 10) displays target-specific killing in human ovarian cancer IGROV-1 and OVCAR-3x2.1 with IC ₅₀ s of 3.19 nM, 1.52 nM, respectively ^[1] .

REFERENCES

- [1]. FLYGARE, John A, et al. Quaternary amine compounds and antibody-drug conjugates thereof. WO2016090050A1.
- [2]. Staben LR, et al. Targeted drug delivery through the traceless release of tertiary and heteroaryl amines from antibody-drug conjugates. Nat Chem. 2016 Dec;8(12):1112-1119.

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

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