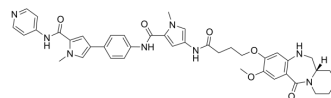


Py-MPB-amino-C3-PBD

Cat. No.:	HY-135901
CAS No.:	2412924-07-1
Molecular Formula:	C ₄₁ H ₄₄ N ₈ O ₆
Molecular Weight:	744.84
Target:	ADC Cytotoxin; Bacterial
Pathway:	Antibody-drug Conjugate/ADC Related; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Py-MPB-amino-C3-PBD is a cytotoxic agent comprised non-alkylating group. Py-MPB-amino-C3-PBD acts as the payload for ADCs. Antimicrobial activity ^[1] .
IC ₅₀ & Target	Pyrrolobenzodiazepines
In Vitro	Py-MPB-amino-C3-PBD (compound 73) shows cytotoxicity with IC ₅₀ s of 301, 144.1 and 37.5 nM for U138-MG, A431, and REH cells, respectively. Py-MPB-amino-C3-PBD possesses potent anti-bacterial effects against the gram negative strain E. coli K12, with potency of 2 pg/mL determined ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. David Edwin Thurston, et al. Polycyclic amides as cytotoxic agents. WO2020049286A1.

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

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