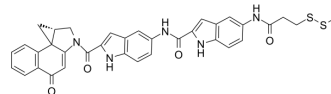


DC10SMe

Cat. No.:	HY-135122
CAS No.:	2649727-40-0
Molecular Formula:	C ₃₅ H ₂₉ N ₅ O ₄ S ₂
Molecular Weight:	647.77
Target:	ADC Cytotoxin; DNA Alkylator/Crosslinker
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DC10SMe is a DNA alkylator, can be used in the synthesis of antibody-drug conjugate (ADC). DC10SMe exhibits IC ₅₀ s of 15 pM, 12 pM, and 12 pM for Ramos, Namalwa, and HL60/s cancer cells, respectively ^[1] .
IC₅₀ & Target	Duocarmycins
In Vitro	DC10SMe is a active cyclopropyl form. DC10SMe undergoes N-3 alkylation with an adenine residue and thus form a DNA adduct ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhao RY, et al. Synthesis and biological evaluation of antibody conjugates of phosphate prodrugs of cytotoxic DNA alkylators for the targeted treatment of cancer. J Med Chem. 2012 Jan 26;55(2):766-82.

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

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