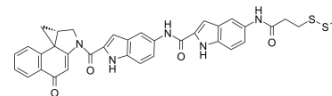


DC10SMe

Cat. No.: HY-135122
Molecular Formula: C₃₅H₂₉N₅O₄S₂
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 COA.



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] .

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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA