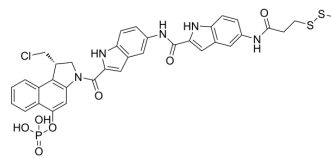


DC4SMe

| | |
|--------------------|---|
| Cat. No.: | HY-135123 |
| CAS No.: | 615538-47-1 |
| Molecular Formula: | C ₃₅ H ₃₁ ClN ₅ O ₇ PS ₂ |
| Molecular Weight: | 764.21 |
| Target: | ADC Cytotoxin |
| Pathway: | Antibody-drug Conjugate/ADC Related |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|--|
| Description | DC4SMe, a phosphate proagent of cytotoxic DNA alkylator DC4, can be used in the synthesis of antibody-drug conjugate (ADC). DC4SMe exhibits IC ₅₀ s of 1.9 nM, 2.9 nM, and 1.8 nM for Ramos, Namalwa, and HL60/s cancer cells, respectively. DC4SMe can be used for the targeted treatment of cancer ^[1] . |
| IC₅₀ & Target | Duocarmycins |
| In Vitro | The phosphate prodrug may be a suitable choice for ADCs of effector molecules that do not possess sufficient water solubility or stability ^[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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