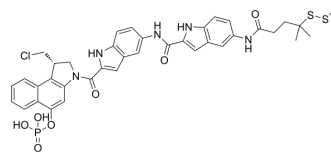


## DC44SMe

Cat. No.:	HY-135124
CAS No.:	1354787-76-0
Molecular Formula:	C <sub>38</sub> H <sub>37</sub> ClN <sub>5</sub> O <sub>7</sub> PS <sub>2</sub>
Molecular Weight:	806.29
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

<b>Description</b>	DC44SMe, a phosphate proagent of cytotoxic DNA alkylator DC44, can be used in the synthesis of antibody-drug conjugate (ADC). DC44SMe exhibits IC <sub>50</sub> s of 2.0 nM, 2.8 nM, and 1.9 nM for Ramos, Namalwa, and HL60/s cancer cells, respectively. DC44SMe can be used for the targeted treatment of cancer <sup>[1]</sup> .
<b>In Vitro</b>	The phosphate prodrug may be a suitable choice for ADCs of effector molecules that do not possess sufficient water solubility or stability <sup>[1]</sup> . 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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