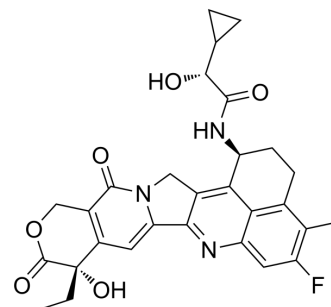


## ( $\alpha$ R)-Cyclopropaneacetamide-Exatecan

<b>Cat. No.:</b>	HY-156617A		
<b>CAS No.:</b>	2414254-37-6		
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>28</sub> FN <sub>3</sub> O <sub>6</sub>		
<b>Molecular Weight:</b>	533.55		
<b>Target:</b>	ADC Cytotoxin; Topoisomerase		
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (187.42 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	1.8742 mL	9.3712 mL	18.7424 mL
		5 mM	0.3748 mL	1.8742 mL	3.7485 mL
10 mM		0.1874 mL	0.9371 mL	1.8742 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.69 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	( $\alpha$ R)-Cyclopropaneacetamide-Exatecan (compound 2-A), an Exenotecan derivative, is a cytotoxic agent. ( $\alpha$ R)-Cyclopropaneacetamide-Exatecan inhibits U87MG and SK-BR-3 cells proliferation, with IC <sub>50</sub> s of 8.11 and 2.31 $\mu$ M <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Camptothecins

### REFERENCES

[1]. Haiqing H, et, al. Antibody-drug conjugate and medical use thereof. WO2021190564A1.

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

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