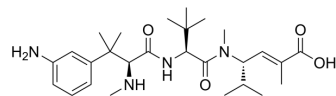


## SC209

<b>Cat. No.:</b>	HY-144880												
<b>CAS No.:</b>	1977557-86-0												
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>44</sub> N <sub>4</sub> O <sub>4</sub>												
<b>Molecular Weight:</b>	488.66												
<b>Target:</b>	ADC Cytotoxin; Drug Metabolite; EGFR												
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related; Metabolic Enzyme/Protease; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK												
<b>Storage:</b>	<table border="0"> <tr> <td>Powder</td> <td>-20°C</td> <td>3 years</td> </tr> <tr> <td></td> <td>4°C</td> <td>2 years</td> </tr> <tr> <td>In solvent</td> <td>-80°C</td> <td>6 months</td> </tr> <tr> <td></td> <td>-20°C</td> <td>1 month</td> </tr> </table>	Powder	-20°C	3 years		4°C	2 years	In solvent	-80°C	6 months		-20°C	1 month
Powder	-20°C	3 years											
	4°C	2 years											
In solvent	-80°C	6 months											
	-20°C	1 month											



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (204.64 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration	Mass	Mass	Mass
1 mM		2.0464 mL	10.2321 mL	20.4641 mL
5 mM		0.4093 mL	2.0464 mL	4.0928 mL
10 mM		0.2046 mL	1.0232 mL	2.0464 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

SC209, an ADC cytotoxin extracted from patent WO2021247798, is used in synthesis of anti-EGFR antibody-drug conjugate ADC. SC209 is a metabolite of STRO-002<sup>[1][2]</sup>.

### REFERENCES

- [1]. De Almeida V, et al. Preclinical activity and safety of STRO-002, a novel ADC targeting folate receptor alpha for ovarian cancer. *Gynecologic Oncology*, 2018, 149: 50.
- [2]. Alice Yam, et al. Bispecific antibody-drug conjugates targeting egfr and muc1 and uses thereof. Patent. WO2021247798.

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

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