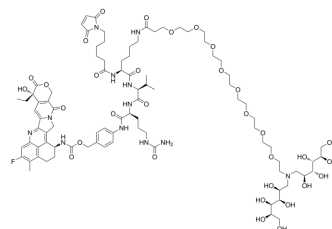


## PB089

<b>Cat. No.:</b>	HY-153947
<b>CAS No.:</b>	2892336-54-6
<b>Molecular Formula:</b>	C <sub>90</sub> H <sub>133</sub> FN <sub>12</sub> O <sub>32</sub>
<b>Molecular Weight:</b>	1914.08
<b>Target:</b>	Drug-Linker Conjugates for ADC
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 100 mg/mL (52.24 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.5224 mL	2.6122 mL	5.2244 mL
5 mM	0.1045 mL	0.5224 mL	1.0449 mL
10 mM	0.0522 mL	0.2612 mL	0.5224 mL

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

### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (1.31 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (1.31 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (1.31 mM); Clear solution

## BIOLOGICAL ACTIVITY

### Description

PB089 is a Drug-liker containing a PEG unit and a cleavable linker attached to Exatecan<sup>[1]</sup>.

## REFERENCES

- [1]. Xiao, S, et, al. Linkers, drug linkers and conjugates thereof and methods of using the same. WO2023280227A2.
- [2]. Xiao, S, et, al. Linkers, drug linkers and conjugates thereof and methods of using the same. WO2023280227A2.

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

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