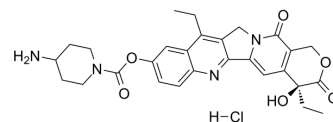


## RPR132595A hydrochloride

<b>Cat. No.:</b>	HY-100638A
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>31</sub> ClN <sub>4</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	555.02
<b>Target:</b>	Drug Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (90.09 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		1.8017 mL	9.0087 mL	18.0174 mL
		<b>5 mM</b>		0.3603 mL	1.8017 mL	3.6035 mL
<b>10 mM</b>		0.1802 mL	0.9009 mL	1.8017 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 >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (2.25 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (2.25 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	RPR132595A (NPC) hydrochloride is an active metabolite of CPT-11, which is generated by cytochrome P-450 3A4 (CYP3A4) and finally excreted through urine <sup>[1]</sup> .
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### REFERENCES

[1]. Alvau MD, et al. Enzyme-Based Electrochemical Biosensor for Therapeutic Drug Monitoring of Anticancer Drug Irinotecan. Anal Chem. 2018 May 15;90(10):6012-6019.

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

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