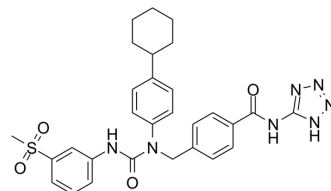


## NNC-0640

<b>Cat. No.:</b>	HY-124622		
<b>CAS No.:</b>	307986-98-7		
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>31</sub> N <sub>7</sub> O <sub>4</sub> S		
<b>Molecular Weight:</b>	573.67		
<b>Target:</b>	GCGR		
<b>Pathway:</b>	GPCR/G Protein		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 250 mg/mL (435.79 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	<b>Preparing Stock Solutions</b>	<b>1 mM</b>	1.7432 mL	8.7158 mL
		<b>5 mM</b>	0.3486 mL	1.7432 mL
		<b>10 mM</b>	0.1743 mL	0.8716 mL
	Please refer to the solubility information to select the appropriate solvent.			
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.08 mg/mL (3.63 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.63 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.08 mg/mL (3.63 mM); Clear solution</li> </ol>			

### BIOLOGICAL ACTIVITY

<b>Description</b>	NNC-0640 is a potent human G-protein-coupled glucagon receptor (GCGR) negative allosteric modulator (NAM) with an IC <sub>50</sub> of 69.2 nM <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Human Glucagon Receptor <sup>[1]</sup>

### REFERENCES

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

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