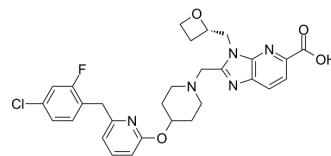


## GLP-1R agonist 10

<b>Cat. No.:</b>	HY-147623		
<b>CAS No.:</b>	2762515-25-1		
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>29</sub> ClFN <sub>5</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	566.02		
<b>Target:</b>	GLP Receptor		
<b>Pathway:</b>	GPCR/G Protein		
<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 (176.67 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
<b>Preparing Stock Solutions</b>	<b>1 mM</b>	1.7667 mL	8.8336 mL	17.6672 mL
	<b>5 mM</b>	0.3533 mL	1.7667 mL	3.5334 mL
	<b>10 mM</b>	0.1767 mL	0.8834 mL	1.7667 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: 2.5 mg/mL (4.42 mM); Clear solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (4.42 mM); Clear solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: 2.5 mg/mL (4.42 mM); Clear solution; Need ultrasonic</li> </ol>			

### BIOLOGICAL ACTIVITY

<b>Description</b>	GLP-1R agonist 10 (Compound 109a) is a GLP-1 agonist with an EC <sub>50</sub> of 0.051 nM <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	EC <sub>50</sub> : 0.051 nM (GLP-1) <sup>[1]</sup>

### REFERENCES

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

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