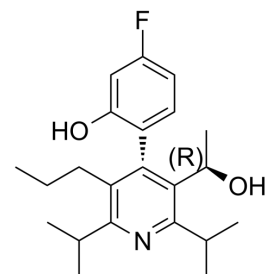


## Glucagon receptor antagonists-2

<b>Cat. No.:</b>	HY-50158		
<b>CAS No.:</b>	202917-18-8		
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>30</sub> FNO <sub>2</sub>		
<b>Molecular Weight:</b>	359.49		
<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



relative stereochemistry

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 16.67 mg/mL (46.37 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.7817 mL	13.9086 mL	27.8172 mL
	5 mM	0.5563 mL	2.7817 mL	5.5634 mL
	10 mM	0.2782 mL	1.3909 mL	2.7817 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: ≥ 1.67 mg/mL (4.65 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 1.67 mg/mL (4.65 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Glucagon receptor antagonists-2 is a highly potent glucagon receptor antagonist.

### REFERENCES

- [1]. Ladouceur, Gaetan H. et al. Integration of optimized substituent patterns to produce highly potent 4-aryl-pyridine glucagon receptor antagonists. *Bioorganic & Medicinal Chemistry Letters* (2002), 12(23), 3421-3424.

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

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