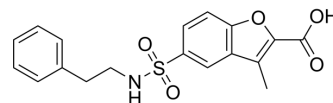


## GPR132 antagonist 1

Cat. No.:	HY-157189		
CAS No.:	898211-21-7		
Molecular Formula:	C <sub>18</sub> H <sub>17</sub> NO <sub>5</sub> S		
Molecular Weight:	359.4		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (278.24 mM)  
 \* "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7824 mL	13.9121 mL	27.8242 mL
	5 mM	0.5565 mL	2.7824 mL	5.5648 mL
	10 mM	0.2782 mL	1.3912 mL	2.7824 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 (6.96 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.5 mg/mL (6.96 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

GPR132 antagonist 1 (GPR132-B-160, Compound 25) is a GPR132 antagonist with an EC<sub>50</sub> value of 0.075 μM. GPR132 antagonist 1 has promote insulin secretion activity with an EC<sub>50</sub> value of 0.7 μM<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

EC<sub>50</sub>: 0.075 μM (GPR132); 0.7 μM (insulin secretion activity)<sup>[1]</sup>.

### REFERENCES

[1]. 11, 11. Gpcr1111111111. 11. CN116903563A.

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

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