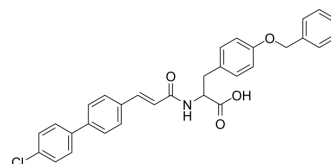


## GPR34 receptor antagonist 2

<b>Cat. No.:</b>	HY-138501		
<b>CAS No.:</b>	907952-06-1		
<b>Molecular Formula:</b>	C <sub>31</sub> H <sub>26</sub> ClNO <sub>4</sub>		
<b>Molecular Weight:</b>	512		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<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 : 83.33 mg/mL (162.75 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	1.9531 mL	9.7656 mL	19.5312 mL
		5 mM	0.3906 mL	1.9531 mL	3.9062 mL
10 mM		0.1953 mL	0.9766 mL	1.9531 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	<p>1. 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 (4.06 mM); Suspended solution; Need ultrasonic</p> <p>2. Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.08 mg/mL (4.06 mM); Clear solution</p>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	GPR34 receptor antagonist 2 (Compound D2) is a GPR34 receptor antagonist. GPR34 receptor antagonist 2 can be used for immune diseases, inflammatory diseases research <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	GPR34 receptor <sup>[1]</sup>
<b>In Vitro</b>	Endogenous ligands of GPR34, a G protein-coupled receptor, act on histamine-releasing activity on antigen- or concanavalin A-stimulated rat mast cells and synergize with nerve growth factor on rat mast cells. It is a lipid such as lysophosphatidylserine having the activity of releasing histamine. GPR34 antagonists can be used, for example, for histamine release inhibitors, immune diseases, edema, hyperacidity, etc <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

[1]. Fumio Ito, et al. Agent for controlling function of gpr34 receptor. WO2006088246 A1.

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

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