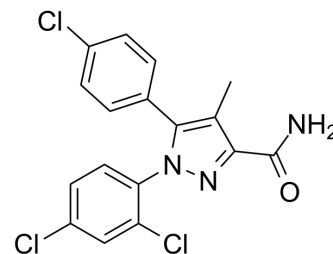


## CB1 antagonist 2

<b>Cat. No.:</b>	HY-116649	
<b>CAS No.:</b>	614726-85-1	
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>12</sub> Cl <sub>3</sub> N <sub>3</sub> O	
<b>Molecular Weight:</b>	380.66	
<b>Target:</b>	Cannabinoid Receptor	
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling	
<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 : 62.5 mg/mL (164.19 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>2.6270 mL</td> <td>13.1351 mL</td> <td>26.2702 mL</td> </tr> <tr> <td>5 mM</td> <td>0.5254 mL</td> <td>2.6270 mL</td> <td>5.2540 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2627 mL</td> <td>1.3135 mL</td> <td>2.6270 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	2.6270 mL	13.1351 mL	26.2702 mL	5 mM	0.5254 mL	2.6270 mL	5.2540 mL	10 mM	0.2627 mL	1.3135 mL	2.6270 mL
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	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 (5.46 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.08 mg/mL (5.46 mM); Clear solution</li> </ol>																					

### BIOLOGICAL ACTIVITY

<b>Description</b>	CB1 antagonist 2 is caimabinoid 1 (CB1) antagonist extracted from patent WO2016184310A1, compound 3, inhibits CB1 in vivo with an IC <sub>50</sub> of 25.5 nM <sup>[1]</sup> .
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### REFERENCES

[1]. Song Li, et al. 4-methyl-diaryl-1H- pyrazole derivatives and their use as medicamentsFIELD.

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

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