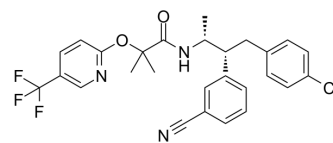


## Taranabant racemate

<b>Cat. No.:</b>	HY-10013A		
<b>CAS No.:</b>	701977-00-6		
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>25</sub> ClF <sub>3</sub> N <sub>3</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	515.95		
<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



relative stereochemistry

### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (193.82 mM; Need ultrasonic)																			
	<table border="1"> <thead> <tr> <th rowspan="2">Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>1.9382 mL</td> <td>9.6909 mL</td> <td>19.3817 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3876 mL</td> <td>1.9382 mL</td> <td>3.8763 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1938 mL</td> <td>0.9691 mL</td> <td>1.9382 mL</td> </tr> </tbody> </table>	Concentration	Mass			1 mg	5 mg	10 mg	1 mM	1.9382 mL	9.6909 mL	19.3817 mL	5 mM	0.3876 mL	1.9382 mL	3.8763 mL	10 mM	0.1938 mL	0.9691 mL	1.9382 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: 2.5 mg/mL (4.85 mM); Suspended solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (4.85 mM); Clear solution</li> </ol>																			

### BIOLOGICAL ACTIVITY

<b>Description</b>	Taranabant racemate (MK-0364 racemate) is an antagonist and/or inverse agonist of the Cannabinoid-1 (CB1) receptor extracted from patent WO 2004048317 A1 <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	CB1 receptor <sup>[1]</sup>

### REFERENCES

[1]. William K. Hagmann, et al. Substituted amides active at the cannabinoid-1 receptor. WO 2004048317 A1.

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

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