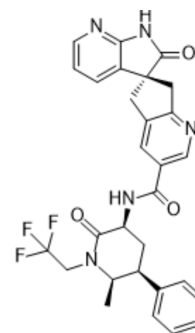


## Ubrogепant

<b>Cat. No.:</b>	HY-12366		
<b>CAS No.:</b>	1374248-77-7		
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>26</sub> F <sub>3</sub> N <sub>5</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	549.54		
<b>Target:</b>	CGRP 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	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 250 mg/mL (454.93 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM		1.8197 mL	9.0985 mL	18.1970 mL
		5 mM		0.3639 mL	1.8197 mL	3.6394 mL
10 mM			0.1820 mL	0.9099 mL	1.8197 mL	
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; 90% (20% SBE-β-CD in saline) Solubility: ≥ 6.25 mg/mL (11.37 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 6.25 mg/mL (11.37 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 5 mg/mL (9.10 mM); Clear solution</li> </ol>					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Ubrogепant (MK-1602) is an orally active calcitonin gene-related peptide receptor (CGRP) antagonist with potential for use in acute migraine <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	MK-1602 <sup>[1]</sup>

### REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA