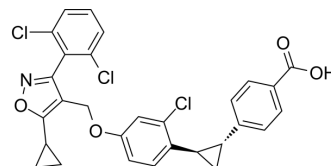


## (-)-PX20606 (trans isomer)

<b>Cat. No.:</b>	HY-100443B
<b>CAS No.:</b>	1268244-88-7
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>22</sub> Cl <sub>3</sub> NO <sub>4</sub>
<b>Molecular Weight:</b>	554.85
<b>Target:</b>	FXR; Autophagy
<b>Pathway:</b>	Metabolic Enzyme/Protease; Autophagy
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	Ethanol : ≥ 50 mg/mL (90.11 mM) * "≥" means soluble, but saturation unknown.					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		1.8023 mL	9.0114 mL	18.0229 mL
		<b>5 mM</b>		0.3605 mL	1.8023 mL	3.6046 mL
	<b>10 mM</b>		0.1802 mL	0.9011 mL	1.8023 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% EtOH &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (4.51 mM); Clear solution</p> <p>2. Add each solvent one by one: 10% EtOH &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (4.51 mM); Clear solution</p>					

### BIOLOGICAL ACTIVITY

<b>Description</b>	(-)-PX20606 trans isomer is a FXR agonist with EC <sub>50</sub> s of 18 and 29 nM for FXR in FRET and M1H assay, respectively.
<b>IC<sub>50</sub> &amp; Target</b>	EC <sub>50</sub> : 18 nM (FXR in FRET assay), 29 nM (FXR in M1H assay) <sup>[1]</sup>

### REFERENCES

[1]. Kinzel O, et al. Novel substituted isoxazole FXR agonists with cyclopropyl, hydroxycyclobutyl and hydroxyacetidonyl linkers: Understanding and improving key determinants of pharmacological properties. Bioorg Med Chem Lett. 2016 Aug 1;26(15):3746-53.

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

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