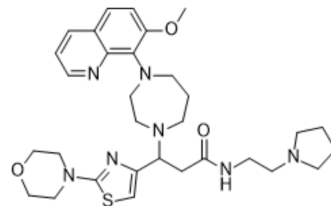


CCX-777

Cat. No.:	HY-123813
CAS No.:	1226686-36-7
Molecular Formula:	C ₃₁ H ₄₃ N ₇ O ₃ S
Molecular Weight:	593.78
Target:	Arrestin
Pathway:	GPCR/G Protein
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (84.21 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>1.6841 mL</td> <td>8.4206 mL</td> <td>16.8413 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3368 mL</td> <td>1.6841 mL</td> <td>3.3683 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1684 mL</td> <td>0.8421 mL</td> <td>1.6841 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	1.6841 mL	8.4206 mL	16.8413 mL	5 mM	0.3368 mL	1.6841 mL	3.3683 mL	10 mM	0.1684 mL	0.8421 mL	1.6841 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.21 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.21 mM); Clear solution 																					

BIOLOGICAL ACTIVITY

Description	CCX-777 is a partial agonist of β-arrestin-2 recruitment to ACKR3 (atypical chemokine receptor 3) ^[1] .
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REFERENCES

[1]. Gustavsson M, et al. Structural basis of ligand interaction with atypical chemokine receptor 3. Nat Commun. 2017 Jan 18;8:14135.

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

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