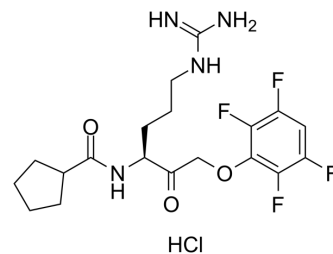


## Kgp-IN-1 hydrochloride

<b>Cat. No.:</b>	HY-128523A
<b>CAS No.:</b>	2097865-47-7
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>25</sub> ClF <sub>4</sub> N <sub>4</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	468.87
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 125 mg/mL (266.60 mM; Need ultrasonic)					
	<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>		2.1328 mL	10.6639 mL	21.3279 mL
		<b>5 mM</b>		0.4266 mL	2.1328 mL	4.2656 mL
	<b>10 mM</b>		0.2133 mL	1.0664 mL	2.1328 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; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.08 mg/mL (4.44 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.44 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.08 mg/mL (4.44 mM); Clear solution</li> </ol>					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Kgp-IN-1 hydrochloride is an arginine-specific gingipain (Rgp) inhibitor extracted from patent WO2017201322A1, compound 13-R <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Rgp <sup>[1]</sup>

### REFERENCES

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

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