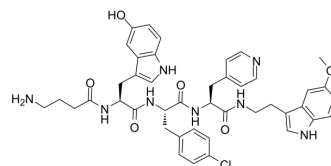


## 123C4

<b>Cat. No.:</b>	HY-P0177
<b>CAS No.:</b>	2034159-30-1
<b>Molecular Formula:</b>	C <sub>43</sub> H <sub>47</sub> ClN <sub>8</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	807.34
<b>Target:</b>	Ephrin Receptor
<b>Pathway:</b>	Protein Tyrosine Kinase/RTK
<b>Storage:</b>	Sealed storage, away from moisture
	Powder    -80°C    2 years
	-20°C    1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (61.93 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	1.2386 mL	6.1932 mL	12.3864 mL
		5 mM	0.2477 mL	1.2386 mL	2.4773 mL
10 mM		0.1239 mL	0.6193 mL	1.2386 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.10 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.10 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	123C4 is a potent, selective and competitive agonist of the receptor tyrosine kinase EPHA4, with a K <sub>i</sub> value of 0.65 μM <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Ki: 0.65 μM (EPHA4) <sup>[1]</sup>

### REFERENCES

[1]. Wu B, et al. Potent and Selective EphA4 Agonists for the Treatment of ALS. Cell Chem Biol. 2017 Mar 16;24(3):293-305.

---

**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