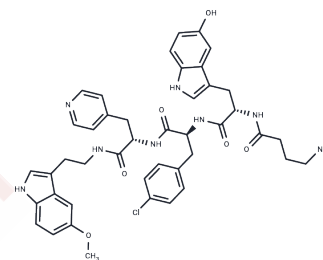


123C4

## Chemical Properties

CAS No. :	2034159-30-1
Formula:	C <sub>43</sub> H <sub>47</sub> ClN <sub>8</sub> O <sub>6</sub>
Molecular Weight:	807.34
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	123C4 is a potent, selective, and competitive agonist of the receptor tyrosine kinase EPHA4 (K <sub>i</sub> =0.65 μM)[1].
Targets(IC50)	Ephrin Receptor

## Solubility Information

Solubility	DMSO: 252.5 mg/mL (312.76 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (6.19 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0248 mL	0.1239 mL	0.2477 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

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