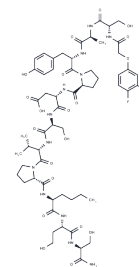


123B9

Chemical Properties

CAS No. :	2225868-19-7
Formula:	C ₅₈ H ₈₂ ClFN ₁₂ O ₂₀
Molecular Weight:	1321.79
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	123B9 is a tumor-homing agent characterized as a potent and selective agonist for EphA2 with a dissociation constant (K _d) of 4.0 μM. It specifically targets the ligand-binding domain of the EphA2 tyrosine kinase receptor. Notably, 123B9 does not significantly inhibit the ligand-binding domains of closely related receptors EphA3 and EphA4.
Targets(IC50)	Ephrin Receptor
In vivo	Following intravenous administration of 123B9 at a dosage of 30 mg/kg in mice, the compound was detectable in the plasma over time at each tested interval (30 minutes, 1 hour, 2 hours, 4 hours). Plasma concentrations of the compound averaged 447 ng/mL and 569 ng/mL at the 2-hour and 4-hour marks, respectively.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7565 mL	3.7827 mL	7.5655 mL
5 mM	0.1513 mL	0.7565 mL	1.5131 mL
10 mM	0.0757 mL	0.3783 mL	0.7565 mL
50 mM	0.0151 mL	0.0757 mL	0.1513 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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