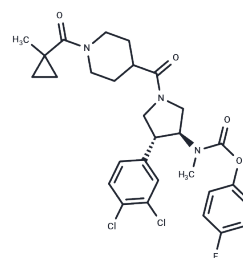


RO-5328673

## Chemical Properties

CAS No. : 1310817-94-7  
 Formula: C<sub>29</sub>H<sub>32</sub>Cl<sub>2</sub>FN<sub>3</sub>O<sub>4</sub>  
 Molecular Weight: 576.49  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	RO-5328673 is a dual NK <sub>2</sub> /NK <sub>3</sub> antagonist. RO5328673 bound to a single saturable site on hNK <sub>2</sub> , hNK <sub>3</sub> and gpNK <sub>3</sub> with high-affinity. RO5328673 acted as an insurmountable antagonist at both human and guinea-pig NK <sub>3</sub> receptors in the [(3)H]IP accumulation assay. In binding kinetic analyses, [(3)H]RO5328673 had fast association and dissociation rates at hNK <sub>2</sub> while it had a fast association rate and a remarkably slow dissociation rate at gp and hNK <sub>3</sub> . In electrophysiological recordings of gp SNpc, RO5328673 inhibited the senktide-induced potentiation of spontaneous activity of dopaminergic neurons with an insurmountable mechanism of action. RO5328673 exhibited in-vivo activity in gerbils, robustly reversing the senktide-induced locomotor activity.
Targets(IC <sub>50</sub> )	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7346 mL	8.6732 mL	17.3464 mL
5 mM	0.3469 mL	1.7346 mL	3.4693 mL
10 mM	0.1735 mL	0.8673 mL	1.7346 mL
50 mM	0.0347 mL	0.1735 mL	0.3469 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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