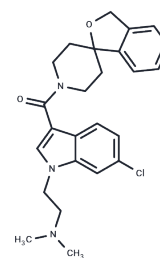


RG7713

## Chemical Properties

CAS No. : 920022-47-5  
 Formula: C<sub>25</sub>H<sub>28</sub>ClN<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 437.96  
 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	RG7713 (RO 5028442) has been used in trials studying Autistic Disorder.
Targets(IC50)	Vasopressin Receptor
In vitro	RO5028442 (compound 8) has excellent binding in and functional affinity for hV1a, moderate mouse affinity, and excellent selectivity versus human V2 (hV2) and human oxytocin (hOT) receptors. RO5028442 shows high solubility. RO5028442 is found to be highly selective against a panel of 89 targets. Finally, RO5028442 is identified as a suitable compound for clinical studies[1].

## Solubility Information

Solubility	DMSO: 4.38 mg/mL (10 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: 1 mg/mL (2.28 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.2833 mL	11.4166 mL	22.8331 mL
5 mM	0.4567 mL	2.2833 mL	4.5666 mL
10 mM	0.2283 mL	1.1417 mL	2.2833 mL
50 mM	0.0457 mL	0.2283 mL	0.4567 mL

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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

Ratni H, et al. Discovery of highly selective brain-penetrant vasopressin 1a antagonists for the potential treatment of autism via a chemogenomic and scaffold hopping approach. *J Med Chem.* 2015 Mar 12;58(5):2275-89.

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