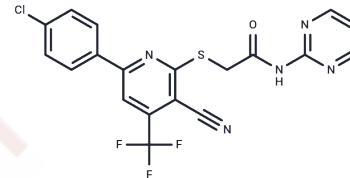


RTI-7470-44

## Chemical Properties

CAS No. : 825658-63-7  
 Formula: C<sub>19</sub>H<sub>11</sub>ClF<sub>3</sub>N<sub>5</sub>O<sub>5</sub>  
 Molecular Weight: 449.84  
 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	RTI-7470-44 is a potent and selective human trace amine-associated receptor 1 (hTAAR1) antagonist (IC <sub>50</sub> : 8.4 nM) that crosses the blood-brain barrier. RTI-7470-44 increases the spontaneous firing rate of dopaminergic neurons in the ventral tegmental area (VTA) of the midbrain in mice. RTI-7470-44 can be used to study schizophrenia, drug addiction and Parkinson's disease (PD).
Targets(IC <sub>50</sub> )	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.223 mL	11.1151 mL	22.2301 mL
5 mM	0.4446 mL	2.223 mL	4.446 mL
10 mM	0.2223 mL	1.1115 mL	2.223 mL
50 mM	0.0445 mL	0.2223 mL	0.4446 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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