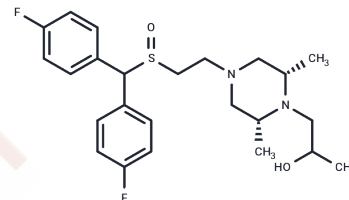


RDS-04-010

## Chemical Properties

CAS No. : 2324109-06-8  
 Formula: C<sub>24</sub>H<sub>32</sub>F<sub>2</sub>N<sub>2</sub>O<sub>2</sub>S  
 Molecular Weight: 450.59  
 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	RDS-04-010 is an atypical dopamine transporter (DAT) inhibitor. It inhibits cocaine uptake and seeking behavior by binding to DAT in its inward-facing conformation, thereby reducing cocaine's reinforcing effects. RDS-04-010 can be utilized in research related to cocaine use disorder (CUD).
Targets(IC50)	Dopamine Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2193 mL	11.0966 mL	22.1931 mL
5 mM	0.4439 mL	2.2193 mL	4.4386 mL
10 mM	0.2219 mL	1.1097 mL	2.2193 mL
50 mM	0.0444 mL	0.2219 mL	0.4439 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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