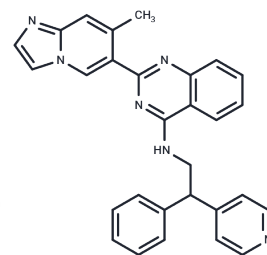


SRI-31142

## Chemical Properties

CAS No. : 1940118-04-6  
 Formula: C<sub>29</sub>H<sub>24</sub>N<sub>6</sub>  
 Molecular Weight: 456.54  
 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	SRI-31142 is a proposed brain-penetrant allosteric inhibitor of the dopamine transporter (DAT). In behavioral studies utilizing intracranial self-stimulation (ICSS), SRI-31142 does not produce the abuse-related effects observed with cocaine and GBR-12935. Instead, at effective doses, it reduces ICSS responding and dopamine levels in the nucleus accumbens (NAc). Additionally, SRI-31142 can prevent cocaine-induced increases in ICSS and NAc dopamine.
Targets(IC50)	Dopamine Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1904 mL	10.9519 mL	21.9039 mL
5 mM	0.4381 mL	2.1904 mL	4.3808 mL
10 mM	0.219 mL	1.0952 mL	2.1904 mL
50 mM	0.0438 mL	0.219 mL	0.4381 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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