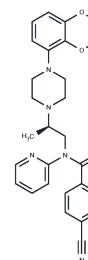


## Lecozotan

## Chemical Properties

CAS No. :	434283-16-6
Formula:	C <sub>28</sub> H <sub>29</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	483.56
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	Lecozotan (SRA-333) is a potent and selective 5-HT antagonist developed for Alzheimer's disease treatment. This compound significantly increases the release of glutamate and acetylcholine in the hippocampus and dentate gyrus areas upon potassium ion stimulation, exhibiting cognitive enhancement properties. Long-term use of Lecozotan does not lead to tolerance or dysfunction of the 5-HT(1A) receptor, demonstrating its stable pharmacological properties. Additionally, acute administration can improve learning and memory abilities in rats without affecting their anxiety levels or behavior depression.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.068 mL	10.340 mL	20.680 mL
5 mM	0.4136 mL	2.068 mL	4.136 mL
10 mM	0.2068 mL	1.034 mL	2.068 mL
50 mM	0.0414 mL	0.2068 mL	0.4136 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.

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