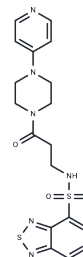


VU 0255035

## Chemical Properties

CAS No. :	1135243-19-4
Formula:	C <sub>18</sub> H <sub>20</sub> N <sub>6</sub> O <sub>3</sub> S <sub>2</sub>
Molecular Weight:	432.52
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	VU 0255035 is a highly selective, competitive, and brain-penetrant muscarinic M1 receptor antagonist with an IC <sub>50</sub> of 130 nM, used to reduce pilocarpine-induced seizures in mice and to examine the role of the M1 receptor in diverse situations.
Targets(IC <sub>50</sub> )	AChR

## Solubility Information

Solubility	DMSO: 4.33 mg/mL (10.01 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 (2.31 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

	1mg	5mg	10mg
1 mM	2.312 mL	11.5602 mL	23.1203 mL
5 mM	0.4624 mL	2.312 mL	4.6241 mL
10 mM	0.2312 mL	1.156 mL	2.312 mL
50 mM	0.0462 mL	0.2312 mL	0.4624 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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