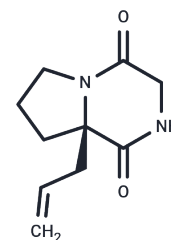


NNZ 2591

## Chemical Properties

CAS No. : 847952-38-9  
 Formula: C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>  
 Molecular Weight: 194.23  
 Storage: Keep away from moisture  
 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 | NNZ 2591, a synthetic analogue of cyclic glycine-proline (cGP), exhibits oral activity and the ability to cross the blood-brain barrier. This compound demonstrates neuroprotective properties following ischemic brain injury and improves motor function in a rat model of Parkinson's disease. NNZ 2591 holds research potential for ischemic brain injury and Angelman syndrome [1] [2] [3].   |
| In vivo     | NNZ 2591 at a dosage of 30 mg/kg administered orally (p.o.) blocked scopolamine-induced amnesia in rats [1]. Intracerebroventricular (i.c.v.) injection of NNZ 2591 at concentrations of 2, 20, and 100 ng/rat demonstrated neuroprotective effects [2]. Subcutaneous (s.c.) administration of NNZ 2591 at 3 mg/kg daily for five days offered complete brain injury prevention and significantly improved the left/right (L/R) touch response time ratio in rats at 5 days post-injury [2]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 5.1485 mL | 25.7427 mL | 51.4854 mL |
| 5 mM  | 1.0297 mL | 5.1485 mL  | 10.2971 mL |
| 10 mM | 0.5149 mL | 2.5743 mL  | 5.1485 mL  |
| 50 mM | 0.103 mL  | 0.5149 mL  | 1.0297 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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