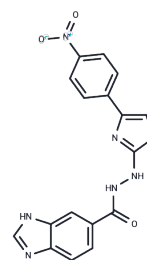


BSc3094

## Chemical Properties

CAS No. : 946857-84-7  
 Formula: C17H12N6O3S  
 Molecular Weight: 380.38  
 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	BSc3094 is a potent Tau aggregation inhibitor that demonstrates the potential for Alzheimer's disease (AD) research.
Targets(IC50)	Others, Microtubule Associated
In vivo	Administration of BSc3094 (3 mg/kg; i.v.) directly into the ventricular system decreases sarkosyl-insoluble Tau. At doses ranging from 0.075 to 1.5 mM via the same administration route, BSc3094 significantly lowers the levels of sarkosyl-insoluble Tau in cortical extracts, achieving a reduction of approximately 70%. Additionally, BSc3094 effectively ameliorates pre-synaptic dysfunction in organotypic hippocampal slices from pro-aggregant mice, reversing the exacerbation of paired-pulse depression observed in non-treated pro-aggregant Tau slices post-application of a paired-pulse stimulus to the Schaffer collaterals. It also counters the elevation in Tau phosphorylation in rTg4510 mice to normal levels and partially remedies memory deficits observed in these mice.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6289 mL	13.1447 mL	26.2895 mL
5 mM	0.5258 mL	2.6289 mL	5.2579 mL
10 mM	0.2629 mL	1.3145 mL	2.6289 mL
50 mM	0.0526 mL	0.2629 mL	0.5258 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.

Reference

Anglada-Huguet M, et al. Inhibition of Tau aggregation with BSc3094 reduces Tau and decreases cognitive deficits in rTg4510 mice. *Alzheimers Dement (N Y)*. 2021;7(1):e12170. Published 2021 Jun 1.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481