

Product Data Sheet

Product Name: BSc3094

Cat. No.: GC63697

Chemical Properties

Cas. No. 946857-84-7

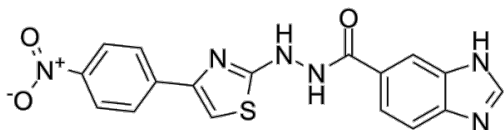
Formula $C_{17}H_{12}N_6O_3S$ M.Wt 380.38

Solubility DMSO : 33.33 mg/mL (87.62 mM; Storage 4°C, protect from light
Need ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

BSc3094 is a Tau aggregation inhibitor. BSc3094 can be used for the research of Alzheimer's disease (AD)[1].

Caution: Product has not been fully validated for medical applications. For research use only.

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BSc3094 (3 mg/kg; i.v.) direct intraventricular administration reduces sarkosyl-insoluble Tau[1]. BSc3094 (0.075~1.5 mM; intraventricular administration) reduces the levels of sarkosyl-insoluble Tau in cortical extracts by $\approx 70\%$ [1]. BSc3094 reverses the pre-synaptic impairment in organotypic hippocampal slices from pro-aggregant mice, by reversing the paired-pulse depression observed in non-treated pro-aggregant Tau slices after applying a paired-pulse stimulus of the Schaffer collaterals. BSc3094 reverses the increase in Tau phosphorylation levels in rTg4510 mice down to control level. BSc3094 partially reversed the memory deficits in rTg4510 mice[1].

[1]. 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.

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