

T14-A24

Chemical Properties

CAS No. :

Formula: C₂₄H₂₄N₆O₃S

Molecular Weight:

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	T14-A24 is an orally active, reversible, competitive, and selective AChE inhibitor with a Ki of 22 nM and an IC ₅₀ of 6 nM. It displays excellent blood-brain barrier penetration, significant neuroprotective effects, and favorable toxicological characteristics.
Targets(IC ₅₀)	Cholinesterase (ChE)
In vivo	T14-A24 (10 mg/kg, orally) has been shown to enhance cognitive performance impaired by Aβ ₁₋₄₂ and significantly mitigate the toxic effects of Aβ ₁₋₄₂ in mice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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