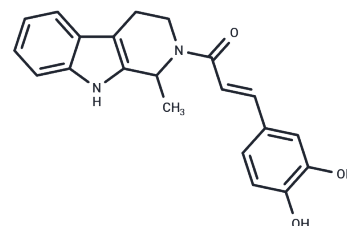


A β -IN-5

Chemical Properties

CAS No. :	2417977-65-0
Formula:	C ₂₁ H ₂₀ N ₂ O ₃
Molecular Weight:	348.4
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	A β -IN-5 (Compound e12) is an orally active A β aggregation inhibitor that also inhibits AChE and BuChE with IC ₅₀ values of 21.29 μ M and 1.32 μ M, respectively. Furthermore, A β -IN-5 exhibits remarkable neuroprotective effects along with low neurotoxicity [1].
In vitro	Compound A β -IN-5 (e12) at a concentration of 25 μ M significantly inhibits the aggregation of A β , achieving an inhibition rate of 72% [1].
In vivo	Compound A β -IN-5 (also known as Compound e12) administrated orally at a dosage of 15 mg/kg, enhances learning and memory functions without showing any signs of acute toxicity in vivo.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8703 mL	14.3513 mL	28.7026 mL
5 mM	0.5741 mL	2.8703 mL	5.7405 mL
10 mM	0.287 mL	1.4351 mL	2.8703 mL
50 mM	0.0574 mL	0.287 mL	0.5741 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.

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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