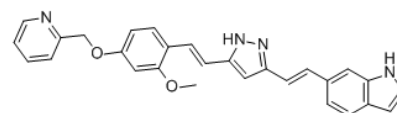


Product Name : PE859
Cat. No. : PC-43143
CAS No. : 1402727-29-0
Molecular Formula : C₂₈H₂₄N₄O₂
Molecular Weight : 448.5157
Target : Amyloids
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

PE859 is a novel, orally active **tau aggregation** inhibitor that inhibits the heparin-induced aggregation of both 3RMBD and full length tau with IC₅₀ of 0.81 uM and 2.23 uM, respectively.

PE859 also inhibits **amyloid β (Aβ)** aggregation with IC₅₀ of 1.2 uM.

PE859 significantly reduces sarkosyl-insoluble aggregated tau along with the prevention of onset and progression of the motor dysfunction in JNPL3 P301L-mutated human tau transgenic mice.

References

Okuda M, et al. *PLoS One*. 2015 Feb 6;10(2):e0117511.

Okuda M, et al. *Bioorg Med Chem Lett*. 2016 Oct 15;26(20):5024-5028.

Okuda M, et al. *J Alzheimers Dis*. 2017;59(1):313-328.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com