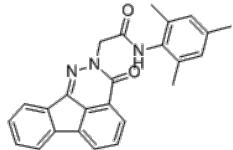

Product Name	:	CNS-11
Cat. No.	:	PC-49766
CAS No.	:	445218-34-8
Molecular Formula	:	C ₂₅ H ₂₁ N ₃ O ₂
Molecular Weight	:	395.46
Target	:	Other Targets
Solubility	:	10 mM in DMSO



Biological Activity

CNS-11 is a small molecules capable of disassembling preformed **alpha-synuclein fibrils**, may exert it's disaggregating effects on the N terminus of the fibril core.

CNS-11 is more predictive of oral bioavailability and central nervous system penetration compared to EGCG.

CNS-11 (10 uM) inhibits intracellular seeding in alpha-synuclein biosensor cells and mitigation of alpha-synuclein cytotoxicity.

CNS-11 disaggregates MSA patient brain-derived alpha-synuclein fibrils in vitro, reduces alpha-synuclein aggregates in *C. elegans*, also could penetrate brain tissue in mice.

References

Murray KA, et al. *Proc Natl Acad Sci U S A*. 2023 Feb 14;120(7):e2217835120.

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

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