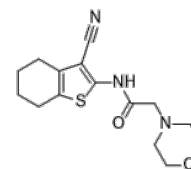


Product Name : CN-0928
Cat. No. : PC-26205
CAS No. : 58125-32-9
Molecular Formula : C₁₅H₁₉N₃O₂S
Molecular Weight : 305.40
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 58125-32-9

Biological Activity

CN-0928 is a specific small molecule inhibitor of poly(C)-binding protein 2 (**PCBP2**), mitigates AD pathology by inhibiting PCBP2 condensation.

CN-0928 (1-2 μ M) significantly reduced PCBP2 protein level, with the concomitant reduction of BACE1 but not APP or ADAM10 protein level.

CN-0928 (1 μ M) significantly reduced PCBP2 condensates in SH-SY5Y-mCherry-PCBP2 cells.

CN-0928 significantly reduced protein levels of PCBP2 and BACE1 in the brain in animal model of 5 $\times$ FAD mice, significantly reduced protein levels of CTFs as well as A β 40/42 immunofluorescent signals.

CN-0928 binds to integrator complex subunit 1 (INTS1) and regulates PCBP2 transcription and protein level.

PCBP2 is an RNA-binding protein that contains KH domains and specifically binds the cysteine-rich motif, It is involved in cancer and iron metabolism.

References

Wang L, et al. *Nat Commun.* 2025 Nov 26;16(1):10514.

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

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