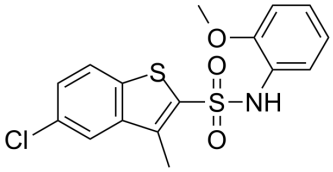
DSS30

Cat. No.:	HY-147387
CAS No.:	883027-32-5
Molecular Formula:	$C_{16}H_{14}ClNO_3S_2$
Molecular Weight:	367.87
Target:	CDK; Amyloid-β
Pathway:	Cell Cycle/DNA Damage; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DSS30 is a P25/CDK5 inhibitor that reduces β-amyloid (Aβ) secretion by inhibiting amyloid precursor protein lyase 1 (BACEl) phosphorylation. DSS30 can be used in the study of neurodegenerative diseases such as Alzheimer's disease[1].
In Vitro	DSS30 (50 μM, 2 hours) inhibits the activity of the P25/CDK5 complex by up to 50% and the phosphorylation of BACE1 or Tau [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Western Blot Analysis[1]

Cell Line:	Expressed P25 PC12tet-off cell lines
Concentration:	50 μM
Incubation Time:	8 hours
Result:	Inhibited BACE1 phosphorylation by 12%.

REFERENCES

[1]. Sul-Hee Chung, et al. Pharmaceutical composition comprising a p25/cdk5 inhibitor for preventing or treating a neurodegenerative disease. WO2006075808

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