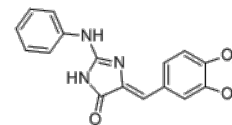


Product Name : Leucettine L41
Cat. No. : PC-61025
CAS No. : 1112978-84-3
Molecular Formula : C₁₇H₁₃N₃O₃
Molecular Weight : 307.309
Target : DYRK
Solubility : 10 mM in DMSO



Biological Activity

Leucettine L41 is a novel potent **cdc2-like kinase** (CLKs) and **DYRKs** inhibitor with IC₅₀ of 40, 35 and 15 nM for DYRK1A, DYRK2 and CLK1, respectively.

Leucettine L41 inhibits the phosphorylation of serine/arginine-rich proteins (SRp), a family of proteins regulating pre-RNA splicing, modulates alternative pre-mRNA splicing in cell-based reporting system.

Leucettine L41 induces mTOR-dependent autophagy, prevents Aβ₂₅₋₃₅-induced memory impairments and neurotoxicity in the mouse hippocampus.

References

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

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