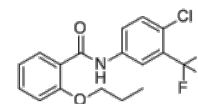


Product Name : TTK21
Cat. No. : PC-36166
CAS No. : 709676-56-2
Molecular Formula : C₁₇H₁₅ClF₃NO₂
Molecular Weight : 357.757
Target : Histone Acetyltransferase (HAT)
Solubility : 10 mM in DMSO



Biological Activity

TTK21 (CBP-p300 activator TTK21) is a small molecule activator of **CBP/p300 histone acetyltransferase** activity with a maximal effect at a concentration of 275 uM.

TTK21 induces acetylation of histones H3 and H4 in vitro but not H2B and H2A.

TTK21 promotes neurogenesis and extends memory duration in adult mice, promotes regeneration and sprouting of sensory and motor axons, as well as recovery of sensory and motor functions in both the mouse and rat model of spinal cord injury.

References

Chatterjee S, et al. *J Neurosci*. 2013 Jun 26;33(26):10698-712.

Hutson TH, et al. *Sci Transl Med*. 2019 Apr 10;11(487). pii: eaaw2064.

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

E-mail: tech@probechem.com