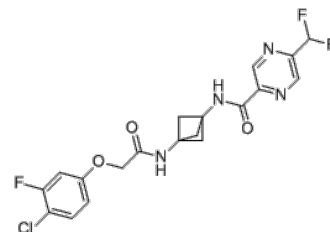


Product Name : 2BAct
Cat. No. : PC-36005
CAS No. : 2143542-28-1
Molecular Formula : C₁₉H₁₆ClF₃N₄O₃
Molecular Weight : 440.807
Target : Eukaryotic Initiation Factor (eIF)
Solubility : 10 mM in DMSO



Biological Activity

2BAct (eIF2B activator 2BAct) is a novel, highly selective, CNS-permeable small molecule **eIF2B activator** with EC₅₀ of 33 nM in cell-based reporter assays.

2BAct normalized body weight gain and prevented motor deficits in male R191H mice, prevented myelin loss and reactive gliosis in the brain and spinal cord of R191H mice.

2BAct also prevented ISR induction in the cerebellum and spinal cord of Eif2b5R132H/R132H mice, prevented all measures of pathology and normalizes the transcriptome and proteome of Vanishing White Matter (VWM) mice.

References

Wong YL, et al. *Elife*. 2019 Jan 9;8. pii: e42940. doi: 10.7554/eLife.42940.

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

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