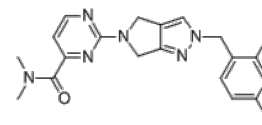


Product Name : ZCAN262
Cat. No. : PC-21623
CAS No. : 3080492-25-4
Molecular Formula : C₁₉H₁₈F₂N₆O
Molecular Weight : 384.39
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

ZCAN262 is a small molecule that prevents **AMPA**-mediated excitotoxicity (IC₅₀=8.5 nM) by targeting an allosteric binding site of AMPA glutamate receptor 2 (**GluA2**).

ZCAN262 (2.5-5 mg/kg. p.o.) significantly improves motor function in the EAE and cuprizone-diet models for MS.

ZCAN262 restores myelination, axon integrity, and oligodendrocytes in the cuprizone-diet mouse model for multiple sclerosis (MS).

ZCAN262 can improve MS pathology without disrupting basal synaptic transmission or measures of recognition memory and spatial learning.

References

Zhai D, et al. *Sci Adv.* 2023 Dec 8;9(49):eadj6187.

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

E-mail: tech@probechem.com