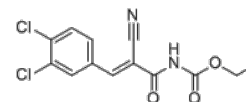


Product Name : FSC231
Cat. No. : PC-62059
CAS No. : 1215849-96-9
Molecular Formula : C₁₃H₁₀Cl₂N₂O₃
Molecular Weight : 313.134
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

FSC231 (FSC-231) is the first, cell-permeable small-molecule inhibitor of **PICK1 PDZ domain** with K_d of 10.1 uM. FSC231 inhibits the interaction between GluR2 and PICK1, accelerates recycling of pHluorin-tagged GluR2 in hippocampal neurons. FSC231 blocks the expression of both long-term depression and long-term potentiation in rats and murine hippocampal neurons.

References

- Thorsen TS, et al. *Proc Natl Acad Sci U S A*. 2010 Jan 5;107(1):413-8.
Qiu CY, et al. *J Neuroinflammation*. 2012 May 29;9:108.
Herbert LM, et al. *Am J Physiol Cell Physiol*. 2016 Mar 1;310(5):C390-400.

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

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