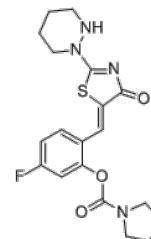


Product Name : CLP290
Cat. No. : PC-35775
CAS No. : 1181083-81-7
Molecular Formula : C₁₉H₂₁FN₄O₃S
Molecular Weight : 404.46
Target : Chloride Channel
Solubility : 10 mM in DMSO



Biological Activity

CLP290 (CLP-290) is an orally active small molecule K⁺-Cl⁻ cotransporter isotype 2 (**KCC2**) activator, the carbamate prodrug of CLP257.

In vivo co-treatment with morphine and oral CLP290 prevented membrane KCC2 downregulation in SDH neurons.

Co-treatment with CLP290 significantly mitigated MIH and acute administration of CLP257 in established MIH restored normal nociceptive behavior.

References

Chen B, et al. *Cell*. 2018 Jul 26;174(3):521-535.e13.

Ferrini F, et al. *Sci Rep*. 2017 Jun 20;7(1):3870.

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

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