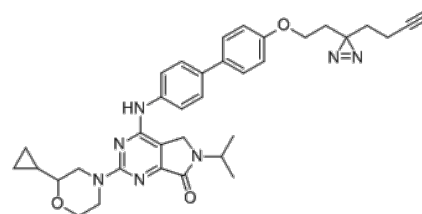


Product Name	: OV350
Cat. No.	: PC-21203
CAS No.	: 2704531-38-2
Molecular Formula	: $C_{35}H_{39}N_7O_3$
Molecular Weight	: 605.74
Target	: Chloride Channel
Solubility	: 10 mM in DMSO



CAS: 2704531-38-2

Biological Activity

OV350 (OV-350) is a potent, selective and direct K⁺-Cl⁻ cotransporter **KCC2** agonist with EC₅₀ of 261.4 nM, with no effect on KCC2 plasma membrane accumulation and phosphorylation.

OV350 reduces neuronal Cl^- accumulation and slows the development of seizure-like events in brain slices, limits neuronal hyperexcitability.

OV350 prevents the development of BDZ-RSE, restores the efficacy of Diazepam (DZ) to terminate ongoing BDZ-RSE, reduces neuronal cell death 48 h after BDZ-RSE.

References

Rebecca Jarvis, et al. **Cell Rep Med**. 2023 Mar 21;4(3):100957.

Patent WO2021180952A1.

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

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