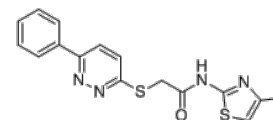


Product Name : VU 0240551
Cat. No. : PC-62064
CAS No. : 893990-34-6
Molecular Formula : C₁₆H₁₄N₄OS₂
Molecular Weight : 342.43
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

VU 0240551 is a potent, selective inhibitor of the neuronal K-Cl cotransporter **KCC2** with IC₅₀ of 568 nM in K⁺ uptake assay in KCC2-overexpressing cells.

VU 0240551 displays >100-fold selectivity over NKCC1; also shows significant inhibition (>50% at 50 μM) of several GPCRs and key ion channels (hERG and L-Type Ca²⁺ channels).

References

Deisz RA, et al. *Neuroscience*. 2014 Sep 26;277:831-41.

Chevy Q, et al. *J Neurosci*. 2015 Dec 2;35(48):15772-86.

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

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