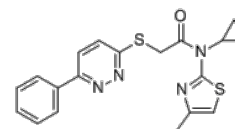


**Product Name** : VU 0463271  
**Cat. No.** : PC-62063  
**CAS No.** : 1391737-01-1  
**Molecular Formula** : C<sub>19</sub>H<sub>18</sub>N<sub>4</sub>OS<sub>2</sub>  
**Molecular Weight** : 382.5  
**Target** : Chloride Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

VU 0463271 is a potent, selective inhibitor of the neuronal K-Cl cotransporter **KCC2** with IC<sub>50</sub> of 61 nM.

VU 0463271 displays >100-fold selectivity versus NKCC1 (>100 μM), no significant activities on a panel of 68 GPCRs, ion channels and transporters.

VU 0463271 exhibits 9-times more potent than ML077, and maintains an excellent ancillary pharmacology profile.

## References

Delpire E, et al. *Proc Natl Acad Sci U S A*. 2009 Mar 31;106(13):5383-8.

Delpire E, et al. *Bioorg Med Chem Lett*. 2012 Jul 15;22(14):4532-5.

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

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