

Molecular Formula : C₁₆H₁₂N₆O₅ **Molecular Weight :** 368.309

: VU591

: PC-60571

: 1222810-74-3

: Potassium Channel

: 10 mM in DMSO

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Product Name

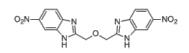
Cat. No.

CAS No.

Target

Solubility

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Biological Activity

VU591 is a potent, selective renal outer medullary potassium channel (**ROMK**, Kir1.1) inhibitor with IC50 of 0.24 uM in T1+ flux assays.

VU591 has no effect on Kir7.1 at 10 uM, does not inhibit Kir2.1, Kir2.3 and Kir4.1, 150-fold selectivity over Kir6.2/SUR1. VU591 blocks the intracellular pore of the channel and is a useful probe to explore the viability of ROMK as a diuretic target.

References

Bhave G, et al. *Mol Pharmacol.* 2011 Jan;79(1):42-50.

Caution: Product has not been fully validated for medical applications. Lab Use Only! E-mail: tech@probechem.com