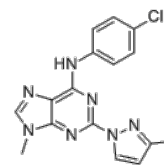


Product Name : NS13001
Cat. No. : PC-60782
CAS No. : 1062592-30-6
Molecular Formula : C₁₆H₁₄ClN₇
Molecular Weight : 339.787
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

NS13001 is a potent, selective, allosteric and orally active positive modulator of small-conductance calcium-activated K⁺ channel **KCa2.2** and **KCa2.3** with EC₅₀ of 1.6 and 0.14 μM, respectively.

NS13001 shows no activating effect on hSK1 or hIK channels (EC₅₀>10 μM), and exerts less off-target effects.

NS13001 alleviates behavioral and neuropathological phenotypes of aging spinocerebellar ataxia type 2 (SCA2) transgenic mice.

References

Kasumu AW, et al. Chem Biol. 2012 Oct 26;19(10):1340-53.

Coleman N, et al. Mol Pharmacol. 2014 Sep;86(3):342-57.

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

E-mail: tech@probechem.com