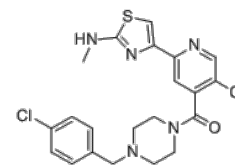


**Product Name** : WNK inhibitor 11  
**Cat. No.** : PC-61064  
**CAS No.** : 2123489-30-3  
**Molecular Formula** : C<sub>21</sub>H<sub>21</sub>Cl<sub>2</sub>N<sub>5</sub>OS  
**Molecular Weight** : 462.393  
**Target** : WNK Kinase  
**Solubility** : 10 mM in DMSO



### Biological Activity

WNK inhibitor 11 (WNK-IN-11) is a potent, selective and orally active inhibitor of **WNK1 kinase** with IC<sub>50</sub> of 6 nM, 1,000-fold selectivity over WNK4 and 57-fold selectivity over WNK2.

WNK inhibitor 11 shows excellent selectivity with only a few significant off-target kinase inhibitions, most notably BTK and FER kinase.

WNK inhibitor 11 reduces blood pressure in mice overexpressing human WNK1.

WNK inhibitor 11 induces diuresis, natriuresis and kaliuresis in spontaneously hypertensive rats.

### References

Yamada K, et al. **ACS Chem Biol.** 2016 Dec 16;11(12):3338-3346.

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

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