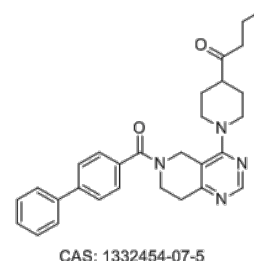


**Product Name** : PK-THPP  
**Cat. No.** : PC-20698  
**CAS No.** : 1332454-07-5  
**Molecular Formula** : C<sub>29</sub>H<sub>32</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 468.60  
**Target** : Potassium Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

PK-THPP is a potent, selective inhibitor of TWIK-related acid-sensitive K<sup>+</sup> (K2P9.1, **TASK-3**) ion channel with IC<sub>50</sub> of 30 nM, 10-fold selectivity over TASK-1.

PK-THPP demonstrated pharmacological target engagement as indicated by its ability to modulate sleep architecture in rodent electroencephalogram (EEG) telemetry models.

## References

Craig A Coburn, et al. *ChemMedChem*. 2012 Jan 2;7(1):123-33.

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

E-mail: tech@probechem.com