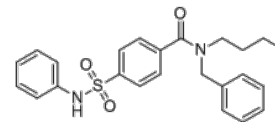


**Product Name** : TH-257  
**Cat. No.** : PC-35851  
**CAS No.** : 2244678-29-1  
**Molecular Formula** : C<sub>24</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub>S  
**Molecular Weight** : 422.543  
**Target** : LIM Kinase (LIMK)  
**Solubility** : 10 mM in DMSO



1. Manetti F. et al. *Eur J Med Chem*. 2018 Jul 15;155:445-458.
2. Collins R, et, al. *J Med Chem*. 2022 Oct 27;65(20):13705-13713.

## Biological Activity

TH-257 (TH257) is a potent, selective, allosteric inhibitor of **LIMK1** and **LIMK2** with IC<sub>50</sub> of 84 nM for LIMK1 and 39 nM for LIMK2 in a RapidFire MS assay.

TH257 is exquisitely selective and no significant activity against the wider kinome has been observed in the KINOMEscan assay at 1 uM.

TH-257 displays IC<sub>50</sub> of 250 nM against ectopically expressed full-length LIMK1 and 150 nM LIMK2 in a life cell NanoBRET assay.

## References

