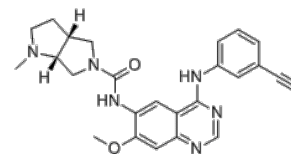


**Product Name** : Theliatinib  
**Cat. No.** : PC-62121  
**CAS No.** : 1353644-70-8  
**Molecular Formula** : C<sub>25</sub>H<sub>26</sub>N<sub>6</sub>O<sub>2</sub>  
**Molecular Weight** : 442.523  
**Target** : EGFR  
**Solubility** : 10 mM in DMSO



## Biological Activity

Theliatinib (HMPL309) is a highly selective, potent, ATP-competitive inhibitor of **EGFR** with IC<sub>50</sub> of 3 nM/22 nM for EGFR/EGFR<sup>T790M/L858R</sup> mutant, respectively.

Theliatinib (HMPL309) demonstrates 50-fold greater selectivity for EGFR compared to 72 other kinases.

Theliatinib (HMPL309) inhibits EGFR phosphorylation (IC<sub>50</sub>=7 nM) and cell survival in tumor cells

Theliatinib (HMPL309) shows in vivo activity in multiple xenografts such as A-431, Bcap-37 and Fadu; generally well tolerated in animals and orally bioactive.

## References

Ren Y, et al. *Oncotarget*. 2017 Apr 19;8(31):50832-50844.

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

E-mail: tech@probechem.com