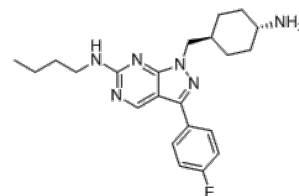


**Product Name** : UNC569  
**Cat. No.** : PC-63226  
**CAS No.** : 1350547-65-7  
**Molecular Formula** : C<sub>22</sub>H<sub>29</sub>FN<sub>6</sub>  
**Molecular Weight** : 396.514  
**Target** : TAM Receptor (Tyro3-Axl-Mer)  
**Solubility** : 10 mM in DMSO



## Biological Activity

UNC569 is a potent, small-molecule **Mer kinase** inhibitor with IC<sub>50</sub> of 2.9 nM, 37 nM and 48 nM for Mer, Axl and Tyro3, respectively.

UNC569 decreases phosphorylated form of Merin 697 B-cell ALL (IC<sub>50</sub>=141 nM) and Jurkat T-cell ALL (IC<sub>50</sub>=190 nM) and downstream signaling through ERK1/2 and AKT, also inhibits the activation of Tyro3 (phospho-Tyro3).

UNC569 induces apoptosis in ALL cell lines (Jurkat cells, IC<sub>50</sub>=1.2 μM) and decreases colony formation.

UNC569 demonstrates potent in vivo efficacy as a single agent against T-ALL, with no apparent toxicity.

## References

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Krause S, et al. *Blood.* 2015 Jan 29;125(5):820-30.

Koda Y, et al. *Anticancer Res.* 2018 Jan;38(1):199-204.

Liu J, et al. *ACS Med Chem Lett.* 2012 Feb 9;3(2):129-134.

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

E-mail: tech@probechem.com