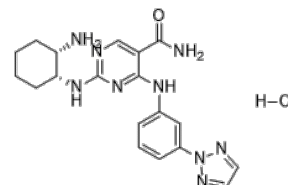


**Product Name** : PRT062607 hydrochloride  
**Cat. No.** : PC-22082  
**CAS No.** : 1370261-97-4  
**Molecular Formula** : C<sub>19</sub>H<sub>24</sub>ClN<sub>9</sub>O  
**Molecular Weight** : 429.91  
**Target** : Syk  
**Solubility** : 10 mM in DMSO



### Biological Activity

PRT062607 (P505-15) hydrochloride is a potent, highly specific, orally bioavailable inhibitor of **Syk kinase** with IC<sub>50</sub> of 1 nM, also potently inhibits both insect and human **PINK** with an IC<sub>50</sub> in the 0.5-3 μM range in HeLa cells and dopaminergic neurons.

PRT062607 displays 80-fold greater than its affinity for other kinases.

PRT062607 potently inhibit SYK- and BCR-dependent activation of normal B-cells.

PRT062607 successfully inhibits SYK-mediated B-cell receptor signaling and decreased cell viability in NHL and CLL.

PRT062607 prevents BCR-mediated splenomegaly and significantly inhibited NHL tumor growth in a xenograft model.

### References

Spurgeon SE, et al. *J Pharmacol Exp Ther.* 2013 Feb;344(2):378-87.

Rasool S, et al. *Sci Rep.* 2024 Apr 2;14(1):7739.

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

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