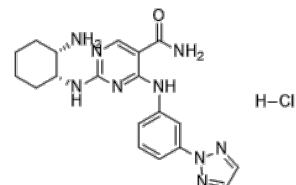


Product Name : PRT062607 hydrochloride
Cat. No. : PC-22082
CAS No. : 1370261-97-4
Molecular Formula : C₁₉H₂₄ClN₉O
Molecular Weight : 429.91
Target : Syk
Solubility : 10 mM in DMSO



Biological Activity

PRT062607 (P505-15) hydrochloride is a potent, highly specific, orally bioavailable inhibitor of Syk kinase with IC₅₀ of 1 nM, also potently inhibits both insect and human PINK with an IC₅₀ 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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