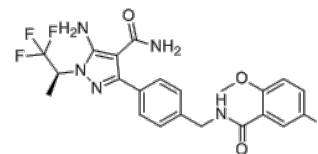


Product Name : Pirtobrutinib
Cat. No. : PC-72630
CAS No. : 2101700-15-4
Molecular Formula : C₂₂H₂₁F₄N₅O₃
Molecular Weight : 479.436
Target : BTK
Solubility :



Biological Activity

Pirtobrutinib (LOXO-305, LY3527727, RXC-005) is a highly potent and selective non-covalent BTK inhibitor with IC₅₀ of 5.69 nM.

LOXO-305 shows nanomolar potency against both wild-type and C481-mutated BTK.

LOXO-305 displays >300 fold selectivity on BTK over 98% of other kinases, reducing the potential for off-target toxicities.

Pirtobrutinib (LOXO-305) has been designed to maintain greater than 90% of maximal BTK inhibition at trough, thereby achieving effective target inhibition throughout the dosing interval, even in proliferative tumours.

References

Brandhuber B, et al. Clin. Lymphoma Myeloma Leuk. 2018;18:S216.

Ito K, et al. Eur J Cancer. 2021 Mar;145:183-193.

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

E-mail: tech@probechem.com