Data Sheet

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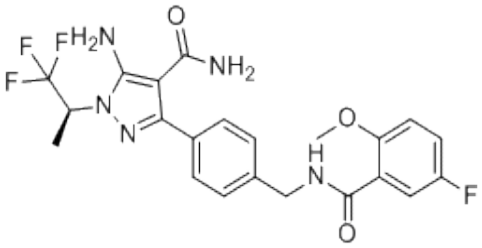
Product Name	:Pirtobrutinib
Cat.No.	:URK-V963
CAS No.	:2101700-15-4
Molecular Formula	:$C_{22}H_{21}F_4N_5O_3$
Molecular Weight	:479.436
Target	:BTK
Solubility	:



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

1. Brandhuber B, et al. Clin. Lymphoma Myeloma Leuk. 2018;18:S216.
2. Ito K, et al. Eur J Cancer. 2021 Mar;145:183-193.

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