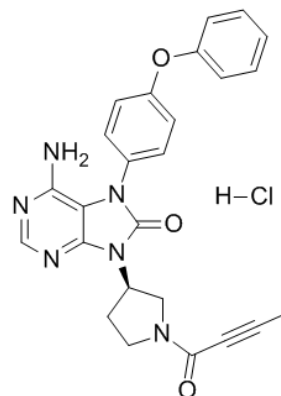


Product Name : ONO-4059 hydrochloride
Cat. No. : PC-44705
CAS No. : 1439901-97-9
Molecular Formula : C₂₅H₂₃ClN₆O₃
Molecular Weight : 490.9415
Target : BTK
Solubility : 10 mM in DMSO



Biological Activity

ONO-4059 (Tirabrutinib) hydrochloride is potent, selective, third-generation irreversible inhibitor of **mutant EGFR** with IC₅₀s of 1/12/5 nM for L858R-T790M/L858R/L861Q respectively.

ONO-4059 (Tirabrutinib) shows weak activity against wt EGFR (IC₅₀=184 nM).

ONO-4059 (Tirabrutinib) inhibits signaling pathways and cellular growth in both EGFRm(+) and EGFRm(+)/T790M(+) mutant cell lines in vitro.

ONO-4059 (Tirabrutinib) exhibits tumor regression in EGFR-mutant tumor xenograft and transgenic models; orally active.

References

Walter HS, et al. *Blood*. 2016 Jan 28;127(4):411-9.

Yahiaoui A, et al. *PLoS One*. 2017 Feb 8;12(2):e0171221.

Yasuhiro T, et al. *Leuk Lymphoma*. 2017 Mar;58(3):699-707.

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

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