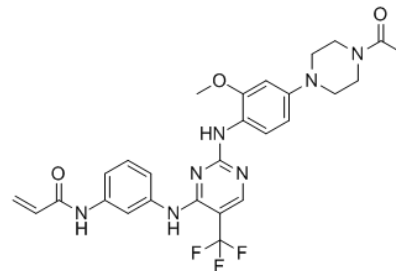


Product Name : CO-1686
Cat. No. : PC-44666
CAS No. : 1374640-70-6
Molecular Formula : C₂₇H₂₈F₃N₇O₃
Molecular Weight : 555.5515
Target : EGFR
Solubility : DMSO: ≥ 43 mg/mL



Biological Activity

Rociletinib (CO-1686, AVL-301, CNX-419) is a potent, highly selective, irreversible inhibitor of mutant **EGFR** with K_i of 21.5 nM for **EGFR L858R/T790M**.

Rociletinib shows 22-fold selective over WT EGFR; EGFR del19, T790M, L858R/T790M and L858R mutant kinases demonstrates the highest degree of inhibition at 0.1 uM; orally bioavailable.

Rociletinib (CO-1686) also is a highly potent and specific covalent inhibitor of **NEK7**, binds to the cysteine 79 of NEK7

References

Walter AO, et al. *Cancer Discov.* 2013 Dec;3(12):1404-15.

Tjin Tham Sjin R, et al. *Mol Cancer Ther.* 2014 Jun;13(6):1468-79.

Sequist LV, et al. *N Engl J Med.* 2015 Apr 30;372(18):1700-9.

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

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