

Product Name	: CO-1686
Synonyms	: Rociletinib; AVL-301; CNX-419
Cat No.	: M11548
CAS Number	: 1374640-70-6
Molecular Formula	: C ₂₇ H ₂₈ F ₃ N ₇ O ₃
Formula Weight	: 555.55
Chemical Name	: 2-Propenamide, N-[3-[[2-[[4-(4-acetyl-1-piperazinyl)-2-methoxyphenyl]amino]-5-(trifluoromethyl)-4-pyrimidinyl]amino]phenyl]-
Description	: A potent, highly selective, irreversible inhibitor of mutant EGFR with K _i of 21.5 nM for EGFR L858R/T790M; 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. Lung Cancer Withdrawn
Pathway	: Angiogenesis
Target	: EGFR
Receptor	: EGFR(L858R/T790M); EGFR(wt)
Solubility	: DMSO: ≥ 43 mg/mL
SMILES	: <chem>C=CC(NC1=CC=CC(NC2=NC(NC3=CC=C(N4CCN(C(C)=O)CC4)C=C3OC)=NC=C2C(F)(F)F)=C1)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Walter AO, et al. Cancer Discov. 2013 Dec;3(12):1404-15. | 2. Tjin Tham Sjin R, et al. Mol Cancer Ther. 2014 Jun;13(6):1468-79. | 3. Sequist LV, et al. N Engl J Med. 2015 Apr 30;372(18):1700-9.

