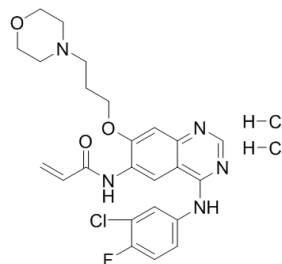


Product Name	: Canertinib dihydrochloride
Synonyms	: Canertinib; CI-1033 dihydrochloride; PD-183805 dihydrochloride; CI1033 dihydrochloride
Cat No.	: M13886
CAS Number	: 289499-45-2
Molecular Formula	: C ₂₄ H ₂₇ Cl ₃ FN ₅ O ₃
Formula Weight	: 558.86
Chemical Name	: 2-Propenamide, N-[4-[(3-chloro-4-fluorophenyl)amino]-7-[3-(4-morpholinyl)propoxy]-6-quinazolyl]-, hydrochloride (1:2)
Description	A potent, irreversible, orally available pan-ErbB inhibitor for EGFR and ErbB2 with IC₅₀ of 7.5 nM and 9.0 nM in autophosphorylation assay; displays no activity to PDGFR, FGFR, InsR, PKC, and CDK1/2/4; suppresses heregulin-stimulated tyrosine phosphorylation of erbB2, erbB3 and erbB4 with IC₅₀ of 5, 14 and 10 nM, respectively, also inhibits expression of pp62c-fos in response to heregulin; shows high in vivo activity against A431 xenografts. Lung Cancer Discontinued
Pathway	: Angiogenesis
Target	: EGFR
Receptor	: EGFR; HER2/ErbB2
Solubility	: 10 mM in DMSO
SMILES	: <chem>C=CC(=O)NC1=C(C=C2C(=C1)C(=NC=N2)NC3=CC(=C(C(=C3)F)Cl)OCCCN4CCOCC4.Cl.Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Smaill JB, et al. J Med Chem. 2000 Apr 6;43(7):1380-97. 2. Erlichman C, et al. Cancer Res. 2001 Jan 15;61(2):739-48. 3. Nyati MK, et al. Clin Cancer Res. 2004 Jan 15;10(2):691-700. 4. Slichenmyer WJ, et al. Semin Oncol. 2001 Oct;28(5 Suppl 16):80-5.