

Product Name	: Dacomitinib hydrate
Synonyms	: PF-00299804; PF00299804; PF 00299804; PF299804; PF-299804; PF 299804
Cat No.	: M23250
CAS Number	: 1042385-75-0
Molecular Formula	: C ₂₄ H ₂₇ ClFN ₅ O ₃
Formula Weight	: 488.0
Chemical Name	: —
Description	Dacomitinib hydrate is a highly selective and second-generation small-molecule inhibitor of the pan-epidermal growth factor receptor family of tyrosine kinases. Dacomitinib specifically and irreversibly binds to and inhibits human EGFR subtypes, resulting in inhibition of proliferation and induction of apoptosis in EGFR-expressing tumor cells.
Pathway	: Angiogenesis
Target	: EGFR
Receptor	: EGFR
Solubility	: DMSO: Soluble
SMILES	: <chem>COC1=C(C=C2C(=C1)N=CN=C2NC3=CC(=C(C=C3)F)Cl)NC(=O)/C=C/CN4CCCCC4.O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Ou SH, Soo RA. Dacomitinib in lung cancer: a "lost generation" EGFR tyrosine-kinase inhibitor from a bygone era? Drug Des Devel Ther. 2015 Oct 15;9:5641-53. doi: 10.2147/DDDT.S52787. eCollection 2015. Review. PubMed PMID: 26508839.