



Product Information

EGFR inhibitor, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ640

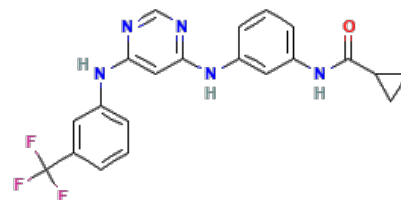
Size: 5 mg; 10 mg; 25 mg

CAS Number: 879127-07-8

Compound CID: 9549299

Synonym: 879127-07-8; Epidermal growth factor receptor inhibitor; EGFR-HER2 inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	EGFR inhibitor, soluble in DMSO, water and ethanol, is a compound that blocks the activity of the epidermal growth factor receptor (EGFR) and human epidermal growth factor receptor 2 (HER2), both of which are involved in driving the growth and proliferation of certain types of cancer cells. It targets EGFR (WT), EGFR (L858R), EGFREGFR(L861Q), and HER4.
Molecular Weight	413.4
Molecular Formula	C ₂₁ H ₁₈ F ₃ N ₅ O
Targets	EGFR (WT): 21 nM; EGFR (L858R): 63 nM; EGFREGFR(L861Q): 4 nM; HER4: 7640 nM
IUPAC Name	<i>N</i> -[3-[[6-[3-(trifluoromethyl)anilino]pyrimidin-4-yl]amino]phenyl]cyclopropanecarboxamide
InChI	InChI=1S/C21H18F3N5O/c22-21(23,24)14-3-1-4-15(9-14)27-18-11-19(26-12-25-18)28-16-5-2-6-17(10-16)29-20(30)13-7-8-13/h1-6,9-13H,7-8H2,(H,29,30)(H2,25,26,27,28)
InChI Key	YOHYSYJDKVYCJI-UHFFFAOYSA-N
Canonical SMILES	C1CC1C(=O)NC2=CC=CC(=C2)NC3=NC=NC(=C3)NC4=CC=CC(=C4)C(F)(F)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 79 mg/mL (191.09 mM); Water: <1 mg/mL; Ethanol: 2 mg/mL (4.83 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	EGFR inhibitor is a general term for compounds used to block EGFR activity in various cancer research studies.



Storage

Store at -20°C.
