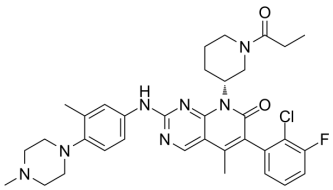
EGFR mutant-IN-1

Cat. No.:	HY-125841
Molecular Formula:	$C_{34}H_{39}ClFN_7O_2$
Molecular Weight:	632.17
Target:	EGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	EGFR mutant-IN-1, a 5-methylpyrimidopyridone derivative, is a potent and selective $EGFR^{L858R/T790M/C797S}$ mutant inhibitor with an IC_{50} of 27.5 nM, while being a significantly less potent for $EGFR^{WT}$ (IC_{50} >1.0 μM)[1].
IC_{50} & Target	IC50: 27.5 nM ($EGFR^{L858R/T790M/C797S}$) and >1.0 μM ($EGFR^{WT}$)[1]

REFERENCES

[1]. Shen J, et al. Structure-Based Design of 5-Methylpyrimidopyridone Derivatives as New Wild-Type SparingInhibitors of the Epidermal Growth Factor Receptor Triple Mutant (EGFRL858R/T790M/C797S). J Med Chem. 2019 Aug 8;62(15):7302-7308.

Caution: Product has not been fully validated for medical applications. For research use only.

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