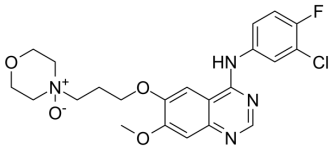
Gefitinib N-oxide

Cat. No.:	HY-100636
CAS No.:	847949-51-3
Molecular Formula:	$C_{22}H_{24}ClFN_4O_4$
Molecular Weight:	462.9
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	Gefitinib N-oxide is the N-oxide derivative of Gefitinib. Gefitinib is an EGFR tyrosine kinase inhibitor, with IC_{50} of 2-37 nM in NR6wtEGFR cells[1][2].
IC_{50} & Target	IC50: 37 nM (Tyr1173 site, in NR6wtEGFR cells), 37 nM (Tyr992 site, in NR6wtEGFR cells)[1]

REFERENCES

[1]. Pedersen MW, et al. Differential response to gefitinib of cells expressing normal EGFR and the mutant EGFRvIII. Br J Cancer. 2005 Oct 17;93(8):915-23.

[2]. Moasser MM, et al. The tyrosine kinase inhibitor ZD1839 ("Iressa") inhibits HER2-driven signaling and suppresses the growth of HER2-overexpressing tumor cells. Cancer Res. 2001 Oct 1;61(19):7184-8.

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