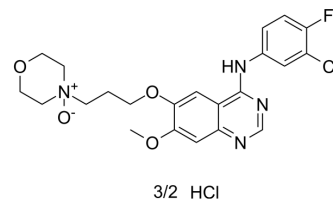


Gefitinib N-oxide hydrochloride

Cat. No.:	HY-100636A
Molecular Formula:	C ₂₂ H ₂₄ ClFN ₄ O _{4.3} /2HCl
Molecular Weight:	517.59
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 hydrochloride is the N-oxide derivative of Gefitinib. Gefitinib is an EGFR tyrosine kinase inhibitor, with IC₅₀ of 2-37 nM in NR6wtEGFR cells^{[1][2]}.

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.

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

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