

Catalog # 10-1148

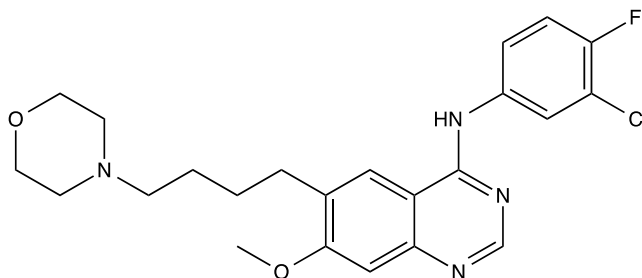
Gefitinib

CAS# 184475-35-2

ZD1839

N-(3-Chloro-4-fluorophenyl)-7-methoxy-6-(3-morpholinopropoxy)quinazolin-4-amine

Lot # X101930



Potent and selective EGFR kinase inhibitor ($IC_{50} = 23-79$ nM)¹. Inhibits EGFR autophosphorylation and inhibits tumor growth *in vivo*². Enhances efficacy of cytotoxic agents³. Inhibits growth factor production and angiogenesis⁴. Clinically useful anticancer agent.

- 1) Baselga *et al.* (2000), *ZD1839 ('Iressa') as an anticancer agent*; *Drugs*, **60** 33
- 2) McKillop *et al.* (2005), *Tumor penetration of gefitinib (Iressa), an epidermal growth factor receptor tyrosine kinase inhibitor*; *Mol. Cancer Ther.*, **4** 641
- 3) Sirotiak *et al.* (2000), *Efficacy of cytotoxic agents against human tumor xenografts is markedly enhanced by coadministration of ZD1839 (Iressa), an inhibitor of EGFR tyrosine kinase*; *Clin. Cancer Res.*, **6** 4885
- 4) Ciaradiello *et al.* (2001), *Inhibition of growth factor production and angiogenesis in human cancer cells by ZD1839 (Iressa), a selective epidermal growth factor receptor tyrosine kinase inhibitor*; *Clin. Cancer Res.*, **7** 1459

PHYSICAL DATA

Molecular Weight:	446.91
Molecular Formula:	C ₂₂ H ₂₄ ClFN ₄ O ₃
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 40 mg/ml) or Ethanol (up to 4 mg/ml)
Physical Description:	Tan solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

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