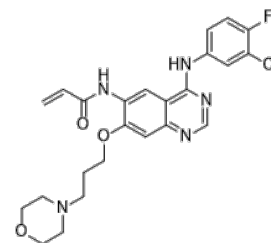


Product Name : Canertinib
Cat. No. : PC-23843
CAS No. : 267243-28-7
Molecular Formula : C₂₄H₂₅ClFN₅O₃
Molecular Weight : 485.94
Target : EGFR
Solubility : 10 mM in DMSO



CAS: 267243-28-7

Biological Activity

Canertinib (CI-1033, PD183805) is a potent, irreversible, orally available pan-ErbB inhibitor for EGFR and ErbB2 with IC₅₀ of 7.5 nM and 9.0 nM in autophosphorylation assay.

Canertinib displays no activity to PDGFR, FGFR, InsR, PKC, and CDK1/2/4.

Canertinib suppresses heregulin-stimulated tyrosine phosphorylation of erbB2, erbB3 and erbB4 with IC₅₀ of 5, 14 and 10 nM, respectively, also inhibits expression of pp62c-fos in response to heregulin.

Canertinib shows high in vivo activity against A431 xenografts.

References

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Erlichman C, et al. Cancer Res. 2001 Jan 15;61(2):739-48.

Nyati MK, et al. Clin Cancer Res. 2004 Jan 15;10(2):691-700.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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