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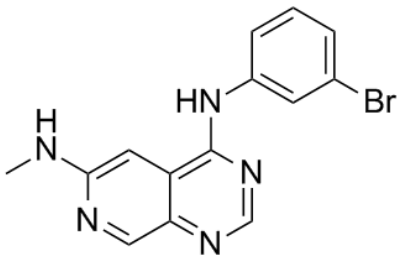
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	PD158780
Cat. No.	:	PC-45479
CAS No.	:	171179-06-9
Molecular Formula	:	$C_{14}H_{12}BrN_5$
Molecular Weight	:	330.1826
Target	:	EGFR
Solubility	:	10 mM in DMSO



Biological Activity

PD158780 is a highly potent, selective, ATP binding site inhibitor of **EGFR** with IC50 of 8 nM.
PD158780 inhibits EGFR autophosphorylation in A431 human epidermoid carcinoma cells (IC50=15 nM).
PD158780 potently inhibits the LPA-stimulated MKK1/2 activation and EGFR phosphorylation in HeLa cells.
PD158780 also inhibits the kinase activity of ACK-1 in vitro (IC50=200 nM), inhibits the growth of v-Ha-Ras-transformed NIH 3T3 cells.

References

Rewcastle GW, et al. J Med Chem. 1996 Apr 26;39(9):1823-35.

Cunnick JM, et al. J Biol Chem. 1998 Jun 5;273(23):14468-75.

Nur-E-Kamal A, et al. Mol Cancer Res. 2005 May;3(5):297-305.

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