
CL-387785

产品编号: D51621

CAS: 194423-06-8

分子式: C₁₈H₁₃BrN₄O

纯度: ≥98%

InChi: InChI=1S/C₁₈H₁₃BrN₄O/c1-2-4-17(24)22-14-7-8-16-15(10-14)18(21-11-20-16)23-13-6-3-5-12(19)9-13/h3,5-11H,1H3,(H,22,24)(H,20,21,23)

InChi Key: BTYYWOYVBXILQJ-UHFFFAOYSA-N

Smiles: CC#CC(=O)NC1C=C2C(=CC=1)N=CN=C2NC1=CC(Br)=CC=C1

外观: 固体粉末

作用通路: EGFR

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: CL-387785, also known as EKI-785, is a n irreversible inhibitor of EGF-receptor (EGFR) kinase activity in vivo (IC₅₀ = 250-490 pM). CL-387785 covalently bound to EGF-R. It also specifically inhibited kinase activity of the protein (IC₅₀ = 370+/-120 pM), blocked EGF-stimulated autophosphorylation of the receptor in cells (ic₅₀ approximately 5 nM), inhibited cell proliferation (IC₅₀ = 31-125 nM) primarily in a cytostatic manner in cell lines that overexpress EGF-R or c-erbB-2, and profoundly blocked the growth of a tumor that overexpresses EGF-R in nude mice (when given orally at 80 mg/kg/day for 10 days, daily). CL-387,785 is useful for studying the interaction of small molecules with EGF-R and may have clinical utility.