



PD168393

Cat. No.:	OB0225WX-2663
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	1 mg; 5 mg; 1 g; 2 g; 5 g

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	PD168393 functions as an irreversible antagonist of EGFR (IC ₅₀ : 0.70 nM) by covalently alkylating the Cys-773 residue, while remaining inactive against PKC, FGF R, PDGFR, and insulin receptors.
Synonym	194423-15-9; PD-168393; 4-[(3-Bromophenyl)amino]-6-acrylamidoquinazoline; pd 168393; <i>N</i> -(4-((3-bromophenyl)amino)quinazolin-6-yl)acrylamide; <i>n</i> -{4-[(3-bromophenyl)amino]quinazolin-6-yl}prop-2-enamide; <i>N</i> -[4-(3-bromoanilino)quinazolin-6-yl]prop-2-enamide; 2-Propenamide, <i>N</i> -(4-((3-bromophenyl)amino)-6-quinazolinyl)-; nchembio866-comp2; <i>N</i> -[4-[(3-bromophenyl)amino]quinazolin-6-yl]acrylamide; 4-anilinoquinazoline deriv. 2; <i>N</i> -(4-(3-Bromophenylamino)quinazolin-6-yl)acrylamide; <i>N</i> -{4-[(3-bromophenyl)amino]quinazolin-6-yl}prop-2-enamide; 4-[(3-Bromophenyl)amino]-6-acrylamidoquinazoline
CAS No.	194423-15-9
Compound CID	4708
Formula	C ₁₇ H ₁₃ BrN ₄
Formula Weight	369.22

Specification

IUPAC Name	<i>N</i> -[4-(3-Bromoanilino)quinazolin-6-yl]prop-2-enamide
InChI	InChI=1S/C17H13BrN4O/c1-2-16(23)21-13-6-7-15-14(9-13)17(20-10-19-15)22-12-5-3-4-11(18)8-12/h2-10H,1H2,(H,21,23)(H,19,20,22)



InChI Key	HTUBKQUPEREOGA-UHFFFAOYSA-N
SMILES string	<chem>C=CC(=O)NC1=CC2=C(C=C1)N=CN=C2NC3=CC(=CC=C3)Br</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	PD168393 is utilized in oncology research as a potent and irreversible inhibitor of the EGFR tyrosine kinase to study the suppression of aberrant growth signaling in various solid tumor models.

Library Information

Target	EGFR
Receptor	EGFR
Pathways	Protein tyrosine kinase
Plate Number	L6700-08
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	73 mg/mL; 197.71 mM
ALogP	4.043
HBA_Count	3
HBD_Count	2
Rotatable Bond	4