

Product Information

EGFR-HER2 inhibitor AG-1478, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ1047

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD00270914

CAS Number: 153436-53-4

Compound CID: 2051

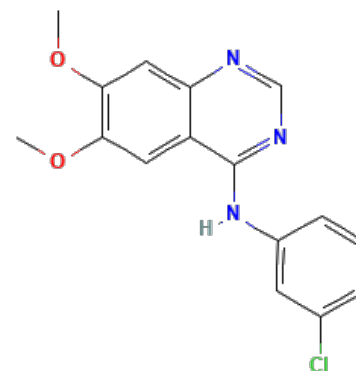
Synonym: 153436-53-4; AG-1478;

N-(3-Chlorophenyl)-6,7-dimethoxyquinazolin-4-amine; Tyrphostin AG 1478;

175178-82-2; Tyrphostin AG-1478; 4-(3-Chloroanilino)-6,7-dimethoxyquinazoline;

EGFR-HER2 inhibitor

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



Product Information

Description	AG-1478, soluble in DMSO and ethanol and insoluble in water, is a potent and specific inhibitor of the tyrosine kinase activity of EGFR. It targets EGFR, HER2, and PDGFR.
Molecular Weight	315.8
Molecular Formula	C ₁₆ H ₁₄ ClN ₃ O ₂
Targets	EGFR: 3 nM; HER2: >100 μM; PDGFR: >100 μM
IUPAC Name	<i>N</i> -(3-Chlorophenyl)-6,7-dimethoxyquinazolin-4-amine
InChI	InChI=1S/C16H14ClN3O2/c1-21-14-7-12-13(8-15(14)22-2)18-9-19-16(12)20-11-5-3-4-10(17)6-11/h 3-9H,1-2H3,(H,18,19,20)
InChI Key	GFNNBHLJANVSQV-UHFFFAOYSA-N
Canonical SMILES	COC1=C(C=C2C(=C1)C(=NC=N2)NC3=CC(=CC=C3)Cl)OC
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 25 mg/mL (79.17 mM); Water: Insoluble; Ethanol: 13 mg/mL (41.17 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	AG-1478 can be used to inhibit EGFR tyrosine kinase in cancer research.
Storage	Store at -20°C.



CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com
