

Product Information

EGFR-HER2 inhibitor ARRY334543, Purity ≥98%

Cat. No.: X23-10-ZQ1053

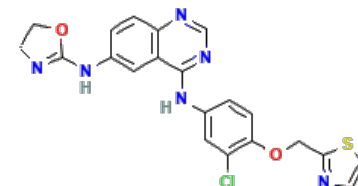
Size: 5 mg; 10 mg; 50 mg; 200 mg

CAS Number: 845272-21-1

Compound CID: 42642648

Synonym: VARLITINIB; 845272-21-1; ARRY-334543; ARRY334543; ARRY 334543;

ARRY-543; EGFR-HER2 inhibitor



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

Product Information

Description	ARRY334543, soluble in DMSO and insoluble in ethanol and water, is a potent and specific inhibitor of the tyrosine kinase activity of EGFR.
Molecular Weight	466.94
Molecular Formula	C ₂₂ H ₁₉ ClN ₆ O ₂ S
IUPAC Name	4- <i>N</i> -[3-Chloro-4-(1,3-thiazol-2-ylmethoxy)phenyl]-6- <i>N</i> -[(4 <i>R</i>)-4-methyl-4,5-dihydro-1,3-oxazol-2-yl]quinazoline-4,6-diamine
InChI	InChI=1S/C22H19ClN6O2S/c1-13-10-31-22(27-13)29-14-2-4-18-16(8-14)21(26-12-25-18)28-15-3-5-19(17(23)9-15)30-11-20-24-6-7-32-20/h2-9,12-13H,10-11H2,1H3,(H,27,29)(H,25,26,28)/t13-m/s1
InChI Key	UWXSAYUXVSFDBQ-CYBMUJFWSA-N
Canonical SMILES	CC1COC(=N1)NC2=CC3=C(C=C2)N=CN=C3NC4=CC(=C(C=C4)OCC5=NC=CS5)Cl
Isomeric SMILES	C[C@@H]1COC(=N1)NC2=CC3=C(C=C2)N=CN=C3NC4=CC(=C(C=C4)OCC5=NC=CS5)Cl
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 6 mg/mL (12.84 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	ARRY334543 can be used to inhibit EGFR and HER2 in cancer research.
Storage	Store at -20°C.