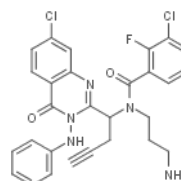


Product Name	: ARQ 621
Synonyms	: ARQ621; ARQ 621; ARQ-621
Cat No.	: M17142
CAS Number	: 1095253-39-6
Molecular Formula	: C ₂₈ H ₂₄ Cl ₂ FN ₅ O ₂
Formula Weight	: 552.43
Chemical Name	: (R)-N-(3-aminopropyl)-3-chloro-N-(1-(7-chloro-4-oxo-3-(phenylamino)-3,4-dihydroquinazolin-2-yl)but-3-yn-1-yl)-2-fluorobenzamide
Description	ARQ-621 is an allosteric, potent and selective inhibitor of Eg5, a microtubule-based ATPase motor protein involved in cell division. Over-expression of Eg5 causes genomic instability and tumor formation in mice; therefore, Eg5 is a potential anti-cancer target. Preclinical data shows anti-tumor activity of ARQ 621 across a wide range of cell lines from human solid and hematological malignancies.
Pathway	: Metabolic Enzyme/Protease
Target	: BACE
Receptor	: Eg5 mitotic motor protein
Solubility	: —
SMILES	: <chem>NCCCC([C@H](CC#C)C1=NC2=C(C=CC(Cl)=C2)C(=O)N1NC1=CC=CC=C1)C(=O)C1=CC=CC(Cl)=C1F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Rosen L, et al. Annual Meeting of ASCO: abstract 3076