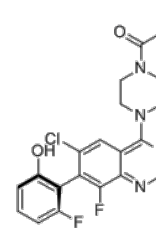


Product Name : ARS-1620
Cat. No. : PC-62494
CAS No. : 1698055-85-4
Molecular Formula : C₂₁H₁₇ClF₂N₄O₂
Molecular Weight : 430.84
Target : Ras
Solubility : 10 mM in DMSO



Biological Activity

ARS-1620 (ARS1620) is a potent, specific and covalent **KRAS G12C** inhibitor with an observed rate of 1,100±200 M⁻¹S⁻¹, shows >10-fold improved potency over the initial ARS-853.

ARS-1620 inhibits RAS signaling with IC₅₀ of 120 nM, exhibits a half maximal G12C target engagement (TE₅₀) at 0.3 uM and near complete engagement at 3.0 uM across a panel of cell lines harboring the mutant allele.

ARS-1620 achieves rapid and sustained in vivo target occupancy to induce tumor regression, and is a novel generation of KRASG12C-specific inhibitor with promising therapeutic potential.

References

Janes MR, et al. *Cell*. 2018 Jan 25;172(3):578-589.e17.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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