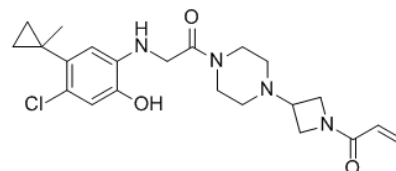


Product Name : ARS-853
Cat. No. : PC-45673
CAS No. : 1629268-00-3
Molecular Formula : C₂₂H₂₉ClN₄O₃
Molecular Weight : 432.9437
Target : Ras
Solubility : DMSO: ≥ 71 mg/mL



Biological Activity

ARS-853 (ARS853) is a mutant-specific, covalent inhibitor of **KRAS G12C** with IC₅₀ of 2.5 uM.

ARS-853 engages KRASG12C in biochemical assay with a rate constant of 76 M⁻¹s⁻¹, > 600-fold improvement compared with Compound 12 (Ostrem JM, Nature 2013;503:548–51.).

ARS-853 inhibits growth of H358 cells.

ARS-853 is the first direct KRAS inhibitor shown to selectively inhibit KRAS in cells with potency in the range of a drug candidate.

References

Patricelli MP, et al. **Cancer Discov.** 2016 Mar;6(3):316-29.

Lito P, et al. **Science.** 2016 Feb 5;351(6273):604-8.

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

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