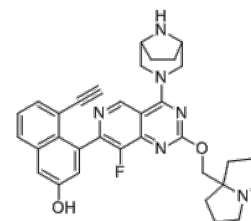


Product Name : MRTX-EX185
Cat. No. : PC-38438
CAS No. : 2621927-57-7
Molecular Formula : C₃₃H₃₃FN₆O₂
Molecular Weight : 564.665
Target : Ras
Solubility : 10 mM in DMSO



Biological Activity

MRTX-EX185 (EX185) is a novel potent small-molecule inhibitor of **KRAS** mutants, exhibits target engagement against **KRAS (G12D)** with IC₅₀ of 90 nM, binds to GDP-loaded KRAS and KRAS(G12D), as well as the active GNP state.

MRTX-EX185 also bound GDP-loaded HRAS.

MRTX-EX185 engages both nucleotide states-albeit with preference for the inactive GDP-loaded protein-and might present an opportunity to inhibit even constitutively active (GTP-loaded) KRAS hotspot mutants

MRTX-EX185 engages numerous KRAS Q61, G12 and G13 mutant proteins and drives antiproliferation.

References

James D Vasta, et al. *Nat Chem Biol.* 2022 Mar 21. doi: 10.1038/s41589-022-00985-w.

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

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