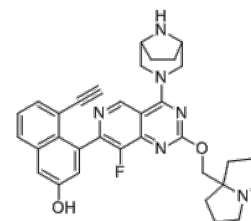


**Product Name** : MRTX-EX185  
**Cat. No.** : PC-38438  
**CAS No.** : 2621927-57-7  
**Molecular Formula** : C<sub>33</sub>H<sub>33</sub>FN<sub>6</sub>O<sub>2</sub>  
**Molecular Weight** : 564.665  
**Target** : Ras  
**Solubility** : 10 mM in DMSO



### Biological Activity

MRTX-EX185 (EX185) is a novel potent small-molecule inhibitor of **KRAS** mutants, exhibits target engagement against KRAS (G12D) with IC<sub>50</sub> 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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