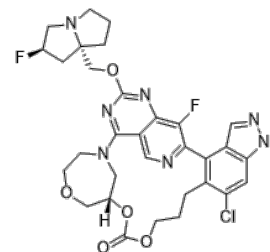


**Product Name** : AMG410  
**Cat. No.** : PC-24662  
**CAS No.** : 3040175-17-2  
**Molecular Formula** : C<sub>31</sub>H<sub>32</sub>ClF<sub>2</sub>N<sub>7</sub>O<sub>5</sub>  
**Molecular Weight** : 656.09  
**Target** : Ras  
**Solubility** : 10 mM in DMSO



CAS: 3040175-17-2

## Biological Activity

AMG410 is a potent, non-covalent and selective **pan-KRAS** inhibitor with IC<sub>50</sub> values of 1-4 nM for KRAS G12D, KRAS G12V, and KRAS G13D, > 100-fold selectivity against both HRAS and NRAS.

AMG 410 is a dual GTP(on)- and GDP(off)-state inhibitor (KD(GDP-state) = 1 nM; KD(GTP-state) = 22 nM), enabling blockade of KRAS signaling in a cycling state-independent manner.

AMG410 blocks KRAS signaling in a cycling state-independent manner and also blocks proliferation in wildtype KRAS-amplified tumor cells.

AMG 410 shows potent antiproliferative activity in KRAS-mutant cells (median IC<sub>50</sub> = 12 nM), with no anti-proliferative effects in non-KRAS-transformed cells (median IC<sub>50</sub> > 5 μM).

## References

Patent WO2024107686A1.

AACR Annual Meeting: April 25-30, 2025

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

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