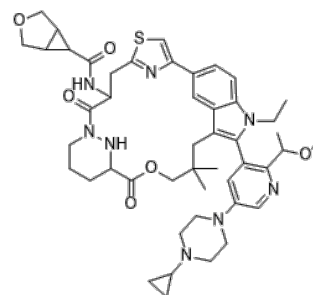


**Product Name** : RMC-7977  
**Cat. No.** : PC-22112  
**CAS No.** : 2765082-12-8  
**Molecular Formula** : C<sub>47</sub>H<sub>60</sub>N<sub>8</sub>O<sub>6</sub>S  
**Molecular Weight** : 865.11  
**Target** : Ras  
**Solubility** : 10 mM in DMSO



CAS: 2765082-12-8

### Biological Activity

RMC-7977 is a potent, highly selective inhibitor of the active (GTP-bound) forms of **KRAS**, HRAS, and NRAS with K<sub>d</sub> of 116 nM, 94.7 nM and 101 nM respectively, KRAS G12V K<sub>d</sub> of 85 nM.

RMC-7977 is more than tenfold more potent for KRAS than MRAS and other RAS family small GTPase proteins with high sequence identity to KRAS.

RMC-7977 exhibits similar activity for wild-type and mutant RAS variants in biochemical assays

RMC-7977 inhibits the active state of multiple RAS variants.

RMC-7977 exhibits low nanomolar potency for growth inhibition of Matrigel-embedded human KRASG12X-mutant PDAC patient-derived organoids.

RMC-7977 (50 mg/kg, po, q.o.d) inhibits tumor growth and extends survival in autochthonous models of PDAC.

### References

Urszula N Wasko, et al. *bioRxiv*. 2023 Dec 4:2023.12.03.569791.

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

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