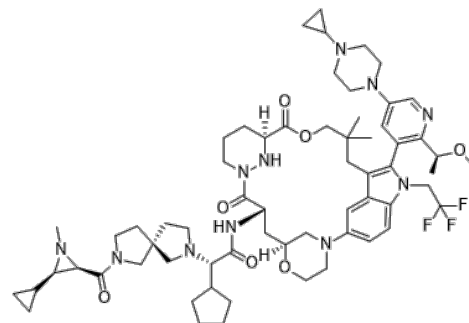


Product Name : RMC-9805
Cat. No. : PC-23832
CAS No. : 2922732-54-3
Molecular Formula : C₆₃H₈₈F₃N₁₁O₇
Molecular Weight : 1168.44
Target : Ras
Solubility : 10 mM in DMSO



CAS: 2922732-54-3

Biological Activity

RMC-9805 is a potent, selective and covalent inhibitor of **KRAS G12D** with EC₅₀ of 23 nM (AsPC-1, pERK), highly selective for crosslinking RAS G12D(ON).

RMC-9805 modulates RAS pathway signaling and induces apoptosis in KRASG12D xenograft tumors in vivo, causes regressions of KRASG12D xenograft models at well-tolerated doses in vivo.

RMC-9805 monotherapy elicited tumor regressions in most preclinical PDAC and NSCLC cancer models harboring KRASG12D.

RMC-9805 also synergized with anti-PD1 therapy in KRASG12D tumors in immune-competent animal models by shaping a favorable tumor immune microenvironment through cytokine modulation.

References

Lingyan Jiang, et al. *Cancer Res* (2023) 83 (7_Supplement): 526.

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

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