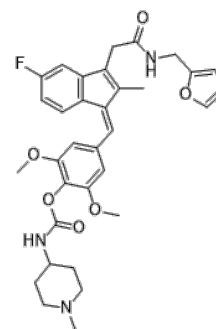


Product Name : ADT-1004
Cat. No. : PC-23212
CAS No. : 1945941-72-9
Molecular Formula : C₃₃H₃₆FN₃O₆
Molecular Weight : 589.66
Target : Ras
Solubility : 10 mM in DMSO



CAS: 1945941-72-9

Biological Activity

ADT-1004 is an orally bioavailable prodrug of **ADT-007**, potent, selective **pan-RAS** inhibitor, selectively inhibits PDAC cells with mutant KRAS, does not impact the growth of tumors from RAS WT PDAC cells.

ADT-1004 is designed to improve the water solubility and metabolic stability of ADT-007.

ADT-1004 inhibited ERK phosphorylation in PDAC tumors.

ADT-1004 blocked tumor growth and ERK phosphorylation in PDX PDAC models with KRAS G12D , KRAS G12V , KRAS G12C , or KRAS G13Q mutations.

ADT-1004 treatment increased CD4 + and CD8 + T cells in the TME consistent with exhaustion and increased MHCII + M1 macrophage and dendritic cells

ADT-1004 demonstrated superior efficacy over sotorasib and adagrasib in tumor models involving human PDAC cells resistant to these KRAS G12C inhibitors.

References

Reddy Bandi DS, et al. *bioRxiv* [Preprint]. 2024 Oct 8:2024.10.04.616725.

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

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