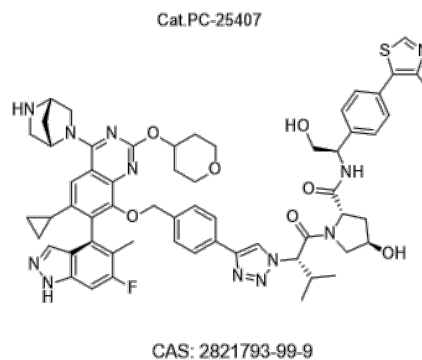


Product Name : ASP3082
Cat. No. : PC-25407
CAS No. : 2821793-99-9
Molecular Formula : C₆₀H₆₅FN₁₂O₇S
Molecular Weight : 1117.32
Target : PROTAC
Solubility : 10 mM in DMSO



Biological Activity

Setidegrasib (ASP3082) is a potent, selective **KRAS G12D PROTAC** degrader with DC50 of 38 nM, effectively induces KRAS(G12D) protein degradation with remarkable selectivity.

ASP3082 effectively induced KRAS(G12D) degradation with remarkable selectivity over other KRAS variants and more than 9000 non-KRAS proteins.

ASP3082 significantly inhibits ERK phosphorylation with IC50 of 14 nM and cell proliferation with IC50 of 19 nM in pancreatic cancer cells (AsPC-1) harboring the KRAS(G12D) mutation.

ASP3082 induces selective degradation of KRAS(G12D) via VHL-mediated proteasomal degradation and inhibits KRAS signaling pathway.

ASP3082 (10 and 30 mg/kg, i.v.) demonstrates anti-tumor effect in vivo and achieves tumor regression in subcutaneous cell-line derived xenograft (CDX) mouse models using KRAS(G12D)-mutated pancreatic cancer PK-59 cells.

ASP3082 does not inhibit tumor growth in the KRAS(WT) xenograft models (A375 and HT-29).

References

Yoshinari T, et al. *Commun Chem.* 2025 Aug 23;8(1):254.

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

E-mail: tech@probechem.com