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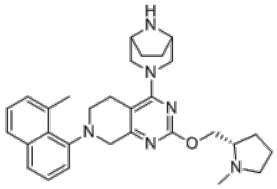
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	TH-Z835
Cat. No.	:	PC-73005
CAS No.	:	2766209-50-9
Molecular Formula	:	$C_{30}H_{38}N_6O$
Molecular Weight	:	498.675
Target	:	Ras
Solubility	:	10 mM in DMSO



Biological Activity

TH-Z835 is a potent, mutant selective **KRAS (G12D)** inhibitor with IC50 of 1.6 uM.
TH-Z835 binds to both GDP-bound and GMPPNP-bound KRAS G12D with similar affinities, efficiently disrupt KRAS–CRAF interaction, but do not bind to wide type and G12C mutant KRAS.
TH-Z835 reduced the pERK level in PANC-1 cells with an IC50 <2.5 uM, exhibited anti-proliferative effects for KRAS(G12D)-bearing pancreatic cancer cell lines PANC-1 and KPC with IC50 of <0.5 uM, induced arrest at the G1 phase of the cell cycle.
TH-Z835 displayed anti-tumor effects alone and in combination with anti-PD-L1 antibody in xenograft pancreatic tumor models.

References

Mao Z, et al. ***Cell Discov.*** 2022 Jan 25;8(1):5.

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