

Data Sheet

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 Product Name
 :
 TH-Z835

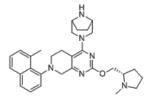
 Cat. No.
 :
 PC-73005

 CAS No.
 :
 2766209-50-9

 Molecular Formula
 :
 C₃₀H₃₈N₆O

 Molecular Weight
 :
 498.675

Solubility : 10 mM in DMSO



Biological Activity

Target

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.

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

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