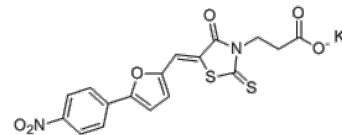


Product Name : KYA1797K
Cat. No. : PC-70092
CAS No. : 1956356-56-1
Molecular Formula : C₁₇H₁₁KN₂O₆S₂
Molecular Weight : 442.501
Target : Beta-catenin
Solubility : 10 mM in DMSO



Biological Activity

KYA-1797K is a derivative of **KY1220** with improved inhibitory activity for **Wnt/β-catenin** signaling.

KYA-1797K dose-dependently decreases Wnt3a-CM-induced TOPflash reporter activation with IC₅₀ of 0.75 μM.

KYA-1797K is more effectively reduces the levels of both β-catenin and pan-Ras as well as the activities of ERK and Akt in SW480 cells.

KYA-1797K binds to Axin (K_d to WT axin-RGS=0.29 μM) and destabilizes b-catenin and Ras; inhibits growth of CRC cells with GI₅₀ of 4-5 μM.

KYA-1797K suppresses the tumors induced by APC and KRAS mutations in tumor xenograft mice (25 mg/kg, i.p.).

References

Cha PH, et al. *Nat Chem Biol.* 2016 Aug;12(8):593-600.

Cha PH, et al. *BMB Rep.* 2016 Sep;49(9):455-6.

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

E-mail: tech@probechem.com