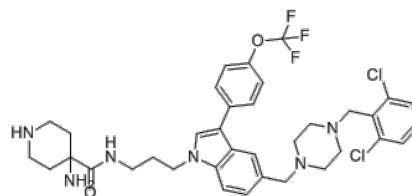


Product Name : pan-Ras inhibitor 3144
Cat. No. : PC-62695
CAS No. : 1835283-94-7
Molecular Formula : C₃₆H₄₁Cl₂F₃N₆O₂
Molecular Weight : 717.659
Target : Ras
Solubility : 10 mM in DMSO



Biological Activity

pan-Ras inhibitor 3144 (Compound 3144) is a multivalent small-molecule, pan-**RAS** inhibitor with K_d of 4.7/17/6.6/3.7 μM for KRAS G12D/KRAS wt/HRAS/NRAS respectively.

pan-Ras inhibitor 3144 shows weak binding for RRAS2 (K_d=24 μM) and no activity for other small GTPases in the RAS superfamily.

pan-Ras inhibitor 3144 exhibits lethality in cells partially dependent on expression of RAS proteins.

pan-Ras inhibitor 3144 has suitable ADME properties and displays anti-tumor activity in xenograft mouse of pancreatic cancer; orally bioavailable.

References

Welsch ME, et al. *Cell*. 2017 Feb 23;168(5):878-889.e29.

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

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