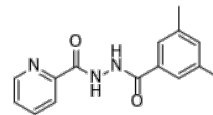


Product Name : P3FI-63
Cat. No. : PC-23163
CAS No. : 931596-95-1
Molecular Formula : C₁₅H₁₅N₃O₂
Molecular Weight : 269.30
Target : Histone Demethylase
Solubility : 10 mM in DMSO



Biological Activity

P3FI-63 is a small molecule PAX3-FOXO1 activity inhibitor, blocks PAX3-FOXO1 downstream target gene expression, inhibits multiple KDMs including KDM3B, KDM4B, KDM5A, and KDM6B, with highest potency against KDM3B (IC₅₀=7 μM).

P3FI-63 treatment closely phenocopied shRNA knockdown of PAX3-FOXO1.

P3FI-63 shows EC₅₀ of 1.7-7.5 μM on FP-RMS cell lines RH4, RH30, and SCMC cancer cells.

P3FI-63 shows no inhibitory activity against HDAC1, HDAC2, HDAC3, or PRMT5.

References

Kim YY, et al. Nat Commun. 2024 Feb 24;15(1):1703.

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

E-mail: tech@probechem.com