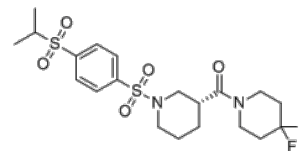


Product Name : DX3-213B
Cat. No. : PC-38736
CAS No. : 2749555-66-4
Molecular Formula : C₂₀H₂₈F₂N₂O₅S₂
Molecular Weight : 478.570
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

DX3-213B is a potent oxidative phosphorylation (OXPHOS) complex I inhibitor with IC₅₀ of 3.6 nM, inhibits pancreatic cancer cells growth in the low nanomolar range (MIA PaCa-2, GI₅₀=11 nM).

DX3-213B disrupts adenosine triphosphate (ATP) generation (ATP depletion IC₅₀=11 nM), inhibits complex I function.

Oral administration of DX3-213B (10 mg/kg) resulted in significant in vivo efficacy in a pancreatic cancer syngeneic model without obvious toxicity.

References

Ding Xue, et al. J Med Chem. 2022 Feb 24;65(4):3404-3419.

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

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