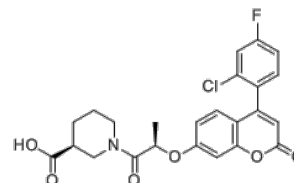


Product Name : IMT1B
Cat. No. : PC-72917
CAS No. : 2304621-06-3
Molecular Formula : C₂₄H₂₁ClFNO₆
Molecular Weight : 473.88
Target : Other Targets
Solubility : 10 mM in DMSO (4.74 mg/mL)



Biological Activity

IMT1B (LDC203974) is a first-in-class specific inhibitor of mitochondrial transcription that target the human **mitochondrial RNA polymerase** (POLRMT).

IMT1B exhibits antiproliferative activity in A2780 cells with IC₅₀ of 138 nM.

IMT1B is well-tolerated in mice, and suitable for in vivo use.

IMT1B does not cause OXPHOS dysfunction or toxicity in normal tissues, despite inducing a strong anti-tumour response in xenografts of human cancer cells.

References

Bonekamp NA, et al. **Nature**. 2020 Dec;588(7839):712-716.

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

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