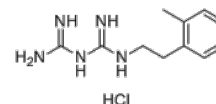


Product Name : IM176OUT05
Cat. No. : PC-35929
CAS No. : 1643659-96-4
Molecular Formula : C₁₁H₁₈ClN₅
Molecular Weight : 255.75
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

IM176OUT05 is a novel, and safe small molecule that improves the acquisition and maintenance of stem cell pluripotency, inhibits **electron transport chain** (ETC) in the A549 lung carcinoma cell line with IC₅₀ of 3.2 uM, a mitochondrial **OXPHOS** inhibitor.

IM176OUT05 inhibits mitochondrial OXPHOS and increases lactate production by inducing the expression of glycolysis- and pluripotency-related genes.

IM176OUT05 facilitates the cycle of hair follicle regeneration in mice, stimulates the expression of stem cell metabolism-related and hair follicle regeneration-related genes during the early phases of hair regrowth.

References

Son MJ, et al. *Exp Mol Med*. 2018 Dec 6;50(12):160.

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

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