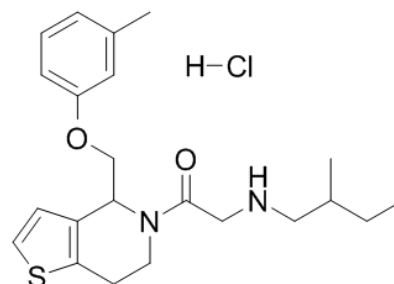


Product Name : RU-SKI 43 hydrochloride
Cat. No. : PC-45464
CAS No. : 1782573-67-4
Molecular Formula : C₂₂H₃₁ClN₂O₂S
Molecular Weight : 423.0117
Target : Hedgehog (Hh)
Solubility : DMSO: ≥ 51 mg/mL



Biological Activity

RU-SKI 43 hydrochloride is a small molecule inhibitor of Hhat (**Hedgehog acyltransferase**) with IC₅₀ of 0.85 μM. RU-SKI 43 hydrochloride is specific to Shh palmitoylation and no effect for palmitoylation of H-Ras, Fyn and myristoylation of c-Src. RU-SKI 43 hydrochloride reduces pancreatic cancer cell proliferation and Gli-1 activation through Smoothened-independent non-canonical signaling, inhibits two key proliferative pathways regulated by Akt and mTOR.

References

- Petrova E, et al. *Nat Chem Biol.* 2013 Apr;9(4):247-9.
Petrova E, et al. *Oncogene.* 2015 Jan 8;34(2):263-8.
Matevossian A, et al. *Mol Cancer.* 2015 Apr 1;14:72.

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

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