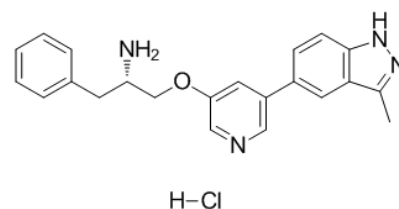


Product Name : A-674563 hydrochloride
Cat. No. : PC-43434
CAS No. : 2070009-66-2
Molecular Formula : C₂₂H₂₃ClN₄O
Molecular Weight : 394.90
Target : Akt
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

A-674563 hydrochloride is a potent, selective and orally available **AKT** inhibitor with K_i of 11 nM (Akt1).

A-674563 increases the efficacy of paclitaxel in a PC-3 xenograft model.

A-674563 enhances the transcription of several chondrocyte marker genes, including Col2a1, Acan and Col11a2, in mouse primary chondrocytes by inhibiting Sox9 degradation through the ubiquitin-proteasome pathway.

A-674563 also suppresses FLT3-ITD positive AML both in vitro and in vivo.

References

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Wang A, et al. *Oncotarget.* 2016 May 17;7(20):29131-42.

Kobayashi T, et al. *Biochem Biophys Res Commun.* 2018 Jan 1;495(1):1468-1475.

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

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