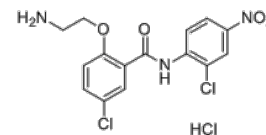


Product Name : HJC0152
Cat. No. : PC-60934
CAS No. : 1420290-99-8
Molecular Formula : C₁₅H₁₄Cl₃N₃O₄
Molecular Weight : 406.644
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

HJC0152 is a potent, orally bioavailable **STAT3** signaling inhibitor that exhibits promising antitumor effects in vitro and in vivo via inactivating STAT3 and downstream miR-21/ β -catenin axis.

HJC0152 potently inhibits MCF-7, MDA-MB-231, AsPC1 and Panc-1a cell with IC₅₀ of 0.91, 1.64, 1.9 and 1.08 μ M, respectively.

HJC0152 suppresses HNSCC cell proliferation, arrests the cell cycle at the G₀-G₁ phase, induces apoptosis and reduces cell invasion in both SCC25 and CAL27 cell lines.

HJC0152 inhibits nuclear translocation of phosphorylated STAT3 at Tyr705 and decreases VHL/ β -catenin signaling activity via regulation of miR-21.

HJC0152 suppresses MDA-MB-231 xenograft tumor growth in vivo.

References

Chen H, et al. *ACS Med Chem Lett*. 2013 Feb 14;4(2):180-185.

Wang Y, et al. *Mol Cancer Ther*. 2017 Apr;16(4):578-590.

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

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