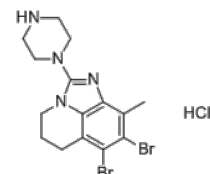


Product Name : SEL120-34A hydrochloride
Cat. No. : PC-61659
CAS No. : 1609452-30-3
Molecular Formula : C₁₅H₁₉Br₂ClN₄
Molecular Weight : 450.6
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

Romaciclib (SEL120-34A, SEL120) hydrochloride is an ATP-competitive, selective, orally active **CDK8/19** inhibitor that inhibits kinase activities of CDK8/CycC and CDK19/CycC complexes with IC₅₀ of 4.4 nM and 10.4 nM, respectively. SEL120-34A shows no significant inhibition on other members of the CDK family (200-fold over CDK9). SEL120-34A inhibits phosphorylation of STAT1 S727 and STAT5 S726 in cancer cells, inhibits IFN- responsive genes expression in vitro. SEL120-34A exhibits complete inhibitions of STAT1 S727 and STAT5 S726 in Colo-205 CRC xenograft tissues in mice (60mg/kg).

References

Rzymiski T, et al. *Oncotarget*. 2017 May 16;8(20):33779-33795.

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

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