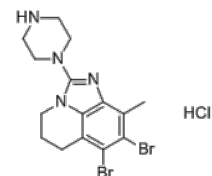


**Product Name** : SEL120-34A hydrochloride  
**Cat. No.** : PC-61659  
**CAS No.** : 1609452-30-3  
**Molecular Formula** : C<sub>15</sub>H<sub>19</sub>Br<sub>2</sub>ClN<sub>4</sub>  
**Molecular Weight** : 450.6  
**Target** : Cyclin-dependent Kinase (CDK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

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 IC<sub>50</sub> 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

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

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

E-mail: tech@probechem.com