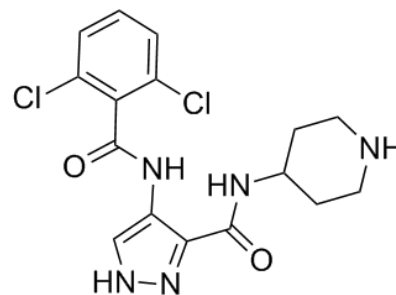


**Product Name** : AT-7519 hydrochloride  
**Cat. No.** : PC-45913  
**CAS No.** : 902135-91-5  
**Molecular Formula** : C<sub>16</sub>H<sub>18</sub>Cl<sub>3</sub>N<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 418.7054  
**Target** : Cyclin-dependent Kinase (CDK)  
**Solubility** : 10 mM in DMSO



H-Cl

## Biological Activity

AT-7519 hydrochloride (AT7519) is a potent, selective **CDK2** inhibitor with IC<sub>50</sub> of 47 nM, also inhibits CDK1/4/5 with IC<sub>50</sub> of 190/67/18 nM and shows selectivity over some kinases (Aurora A, IR kinase, MEK, PDK1, c-Abl, IC<sub>50</sub>>10 μM).

AT-7519 has antiproliferative activity against HCT116 cells with IC<sub>50</sub> of 82 nM.

AT-7519 exhibits good profile against cytochrome P450 isoforms (<30% inhibition at 10 μM for 1A2, 2D6, 3A4, 2C9, 2C19).

## References

Wyatt PG, et al. *J Med Chem.* 2008 Aug 28;51(16):4986-99.

Squires MS, et al. *Mol Cancer Ther.* 2009 Feb;8(2):324-32.

Dolman ME, et al. *Clin Cancer Res.* 2015 Nov 15;21(22):5100-9.

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

E-mail: tech@probechem.com