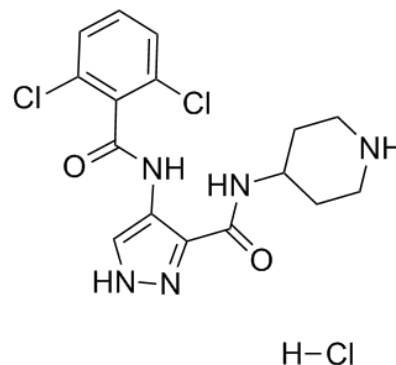


Product Name : AT-7519 hydrochloride
Cat. No. : PC-45913
CAS No. : 902135-91-5
Molecular Formula : C₁₆H₁₈Cl₃N₅O₂
Molecular Weight : 418.7054
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

AT-7519 hydrochloride (AT7519) is a potent, selective **CDK2** inhibitor with IC₅₀ of 47 nM, also inhibits CDK1/4/5 with IC₅₀ of 190/67/18 nM and shows selectivity over some kinases (Aurora A, IR kinase, MEK, PDK1, c-Abl, IC₅₀>10 μM). AT-7519 has antiproliferative activity against HCT116 cells with IC₅₀ 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!

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