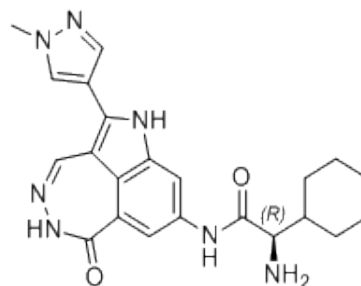


## Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

**Product Name** : PF-00477736  
**Cat.No.** : URK-V717  
**CAS No.** : 952021-60-2  
**Molecular Formula** :  $C_{22}H_{25}N_7O_2$   
**Molecular Weight** : 419.489  
**Target** :  
**Solubility** : 10 mM in DMSO



### Biological Activity

PF-00477736 (PF-477736) is a potent, selective, ATP-competitive inhibitor of Chk1 with  $K_i$  of 0.49 nM, also inhibits Chk2 ( $K_i$ =47 nM) and poorly inhibits CDK1 activity ( $K_i$ =9.9  $\mu$ M); displays <100-fold selectivity over VEGFR2, Aurora-A, FGFR3, Flt3, Fms (CSF1R), Ret, and Yes in a panel of >100 protein kinases; abrogates cell cycle arrest induced by DNA damage and enhances cytotoxicity of clinically important chemotherapeutic agents, including gemcitabine and carboplatin; enhances the antitumor activity of gemcitabine in a dose-dependent manner in xenografts.

Solid Tumors

Phase 1 Discontinued

### References

1. Blasina A, et al. Mol Cancer Ther. 2008 Aug;7(8):2394-404.
2. Zhang C, et al. Clin Cancer Res. 2009 Jul 15;15(14):4630-40.

*Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!*

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

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