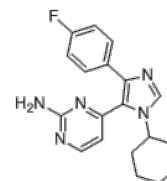


**Product Name** : PF-670462  
**Cat. No.** : PC-49496  
**CAS No.** : 950980-98-0  
**Molecular Formula** : C<sub>19</sub>H<sub>20</sub>FN<sub>5</sub>  
**Molecular Weight** : 337.40  
**Target** : Casein Kinase  
**Solubility** : 10 mM in DMSO



### Biological Activity

PF-670462 (PF670462) is a potent and selective inhibitor casein kinase **CK1ε** and **CK1δ** with IC<sub>50</sub> of 7.7 nM and 14 nM, respectively, also is a **zDHC8**-specific inhibitor that promotes the degradation of zDHC8.

PF-670462 causes a significant phase delay in animal models of circadian rhythm.

PF-670462 attenuates GPX4 palmitoylation and enhances ferroptosis sensitivity.

PF-670462 facilitates the CD8<sup>+</sup> cytotoxic T cell-induced ferroptosis of tumor cells, thereby improving the efficacy of cancer immunotherapy in a B16-F10 xenograft model.

### References

Badura L, et al. *J Pharmacol Exp Ther.* 2007 Aug;322(2):730-8.

Bryant CD, et al. *Psychopharmacology (Berl).* 2009 May;203(4):703-11.

Walton KM, et al. *J Pharmacol Exp Ther.* 2009 Aug;330(2):430-9.

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

E-mail: tech@probechem.com