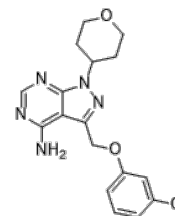


Product Name : PF-4800567
Cat. No. : PC-24728
CAS No. : 1188296-52-7
Molecular Formula : C₁₇H₁₈ClN₅O₂
Molecular Weight : 359.81
Target : Casein Kinase
Solubility : 10 mM in DMSO



Biological Activity

PF-4800567 is a potent, selective inhibitor of casein kinase 1 epsilon (CK1epsilon, CK1ε) with IC₅₀ of 32 nM, >20-fold selectivity over CK1δ.

PF-4800567 completely blocks CK1epsilon-mediated PER3 nuclear localization and PER2 degradation.

PF-4800567 increased the locomotor stimulant response to both MA and fentanyl in mice harboring a null allele of Csnk1e.

References

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Meng QJ, et al. Proc Natl Acad Sci U S A. 2010 Aug 24;107(34):15240-5.

Bryant CD, et al. Neuropsychopharmacology. 2012 Mar;37(4):1026-35.

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

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