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## PF-670462 2HCl

产品编号: D51185

CAS: 950912-80-8

分子式: C<sub>19</sub>H<sub>22</sub>Cl<sub>2</sub>FN<sub>5</sub>

纯度: ≥98%

InChi: InChi=1S/C19H20FN5.2ClH/c20-14-8-6-13(7-9-14)17-18(16-10-11-22-19(21)24-16)25(12-23-17)15-4-2-1-3-5-15;;/h6-12,15H,1-5H2,(H2,21,22,24);2\*1H

InChi Key: PSNKGVAXBSAHCH-UHFFFAOYSA-N

Smiles: Cl.Cl.NC1N=C(C=CN=1)C1=C(N=CN1C1CCCCC1)C1C=CC(F)=CC=1

外观: 固体粉末

作用通路: Casein Kinase

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: PF-670462 2HCl is a potent inhibitor of the CK1 isoforms CK1ε and CK1δ (IC<sub>50</sub> = 7.7 and 14 nM, respectively). Inhibition of CK1ε yields a perturbation of oscillator function that forestalls light as a zeitgeber, and they demonstrate that pharmacological tools such as PF-670462 may yield valuable insight into clock function. Casein kinase 1ε (CK1ε) is an essential component of the biological clock, phosphorylating PER proteins, and in doing so regulating their turnover and nuclear entry in oscillator cells of the suprachiasmatic nucleus (SCN).