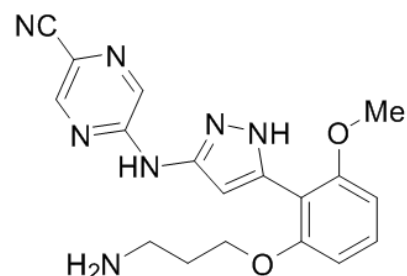


Product Name : Prexasertib dihydrochloride
Cat. No. : PC-45428
CAS No. : 1234015-54-3
Molecular Formula : C₁₈H₂₁Cl₂N₇O₂
Molecular Weight : 438.311
Target : Checkpoint Kinase (Chk)
Solubility : DMSO: ≥ 32 mg/mL



H-Cl H-Cl

Biological Activity

Prexasertib (LY-2606368) dihydrochloride is a potent, selective, ATP-competitive inhibitor of **CHK1** with K_i of 0.9 nM.

Prexasertib (LY-2606368) potently abrogates the G2-M checkpoint activated by doxorubicin in p53-deficient HeLa cells with EC50 of 9 nM.

Prexasertib (LY-2606368) causes replication catastrophe in vitro and in vivo.

Prexasertib (LY-2606368) shows significant tumor growth inhibition in xenograft tumor models.

References

King C, et al. *Mol Cancer Ther.* 2015 Sep;14(9):2004-13.

Lowery CD, et al. *Clin Cancer Res.* 2017 Aug 1;23(15):4354-4363.

Sen T, et al. *Cancer Res.* 2017 Jul 15;77(14):3870-3884.

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

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