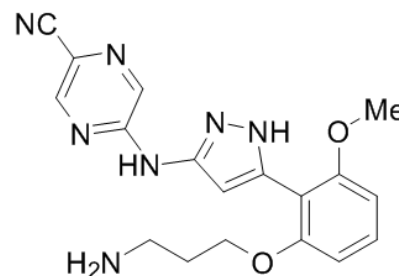


Product Name : Prexasertib
Cat. No. : PC-45427
CAS No. : 1234015-52-1
Molecular Formula : C₁₈H₁₉N₇O₂
Molecular Weight : 365.3892
Target : Checkpoint Kinase (Chk)
Solubility : DMSO: ≥ 60 mg/mL



Biological Activity

Prexasertib (LY2606368, ACR-368) is a potent, selective, ATP-competitive inhibitor of **CHK1** with K_i of 0.9 nM.

Prexasertib (LY2606368) potently abrogates the G2-M checkpoint activated by doxorubicin in p53-deficient HeLa cells with EC₅₀ of 9 nM.

Prexasertib (LY2606368) causes replication catastrophe in vitro and in vivo.

Prexasertib (LY2606368) 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!

E-mail: tech@probechem.com