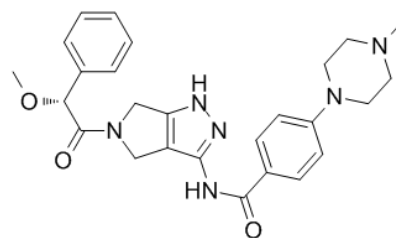


Product Name : Danusertib
Cat. No. : PC-42422
CAS No. : 827318-97-8
Molecular Formula : C₂₆H₃₀N₆O₃
Molecular Weight : 474.5548
Target : Aurora Kinase
Solubility : DMSO: 7.5 mg/mL



Biological Activity

Danusertib (PHA-739358) is a potent, ATP-competitive **Aurora** kinase inhibitor with IC₅₀ of 13,79 and 61 nM for Aurora A, B and C, respectively.

Danusertib (PHA-739358) also inhibits Abl, RET, and FGFR1 (IC₅₀=25,31, and 47 nM), efficiently inhibits imatinib-resistant Abl mutant T315I (IC₅₀=5 nM)。

Danusertib (PHA-739358) inhibits phosphorylation of histone H3 in Ser10, and has significant antitumor activity in different xenografts and spontaneous and transgenic animal tumor models.

References

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Modugno M, et al. *Cancer Res.* 2007 Sep 1;67(17):7987-90.
Carpinelli P, et al. *Mol Cancer Ther.* 2007 Dec;6(12 Pt 1):3158-68.
Gontarewicz A, et al. *Blood.* 2008 Apr 15;111(8):4355-64.

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

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