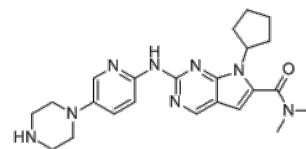


Product Name : Ribociclib
Cat. No. : PC-20872
CAS No. : 1211441-98-3
Molecular Formula : C₂₃H₃₀N₈O
Molecular Weight : 434.55
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



CAS: 1211441-98-3

Biological Activity

Ribociclib (LEE-011, LEE011) is a potent, highly selective, orally bioavailable **CDK4/6** inhibitor with IC₅₀ of 10/39 nM, respectively.

Ribociclib suppresses neuroblastoma growth in vitro with IC₅₀ of 306 nM against 12 of the 17 neuroblastoma cell lines. Ribociclib causes cell-cycle arrest and cellular senescence and dose-dependently decreases in phosphorylated RB and FOXM1, respectively.

Ribociclib (200 mg/kg) causes tumor growth delay in vivo in neuroblastoma cell-line derived xenografts.

References

Rader J, et al. *Clin Cancer Res.* 2013 Nov 15;19(22):6173-82.

Zhang YX, et al. *Mol Cancer Ther.* 2014 Sep;13(9):2184-93.

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

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