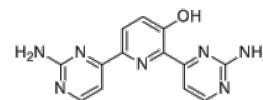


Product Name : Avotaciclib
Cat. No. : PC-38340
CAS No. : 1983983-41-0
Molecular Formula : C₁₃H₁₁N₇O
Molecular Weight : 281.279
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



1. Wang Q, et al. NPJ Precis Oncol. 2023 Jun 13;7(1):58.

Biological Activity

Avotaciclib (BEY1107) is a potent, selective **CDK1** (Cyclin-Dependent Kinase 1) inhibitor, inhibits self-replication of cancer stem cells and is a candidate for pancreatic cancer treatment.

CDK1 is a cell cycle control protein involved in cell division process, blocks G2/M phase in cell division, and eliminates cancer stem cells.

BEY1107 not only controls the cell division of cancer cells but also may overcome the tolerance on anti-cancer drugs with targeting mechanism by eliminating cancer stem cells.

BEY1107 showed synergistic effects of inhibiting metastasis of cancer cell combined with gemcitabine for pancreatic cancer.

References

