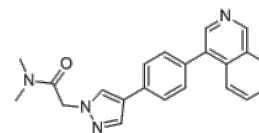


Product Name : BI-1347
Cat. No. : PC-63252
CAS No. : 2163056-91-3
Molecular Formula : C₂₂H₂₀N₄O
Molecular Weight : 356.429
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



1. Hofmann MH, et al. *Mol Cancer Ther.* 2020 Apr;19(4):1018-1030.

Biological Activity

BI-1347 is a potent, selective inhibitor of **CDK8/CDK19** with IC₅₀ of 1.4 nM/1.9 nM, respectively.

BI-1347 displays no inhibition of other CDKs tested (e.g. CDK1, CDK2, CDK4, CDK6, CDK7 and CDK9).

BI-1347 impacts the growth of a subset of hematological cancer cells lines, whilst solid tumor cell lines are unaffected

BI-1347 potentially decrease the phosphorylation of STAT1 S727.

BI-1347 enhances the NK cell cytotoxicity results in a strong synergistic antitumor efficacy in the murine syngeneic EMT6 breast cancer model.

References

