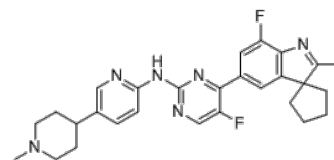


Product Name : Crozbaciclub
Cat. No. : PC-49130
CAS No. : 2099128-41-1
Molecular Formula : C₂₈H₃₀F₂N₆
Molecular Weight : 488.587
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

Crozbaciclub is a highly potent, selective, blood-brain barrier (BBB) permeable **CDK4/6** inhibitor with IC₅₀ values of 3 nM and 1 nM against CDK4/cyclin D1 and CDK6/cyclin D3, respectively.

Crozbaciclub exhibits a favorable pharmacological profile and significant penetration of the BBB with the K_p value of 4.10 and the K_{p,uu} value of 0.23 in mice after an oral dose of 10 mg/kg.

Crozbaciclub exhibits significant tumor growth inhibition values ranging from 62% to 99% for doses ranging from 3.125 to 50 mg/kg in orthotopic xenograft mouse model of glioblastoma multiforme (GBM), with no significant body weight loss

References

Lei Yin, et al. *Eur J Med Chem.* 2018 Jan 20;144:1-28.

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

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