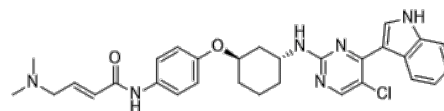


Product Name : BSJ-01-175
Cat. No. : PC-23502
CAS No. : 2227392-55-2
Molecular Formula : C₃₀H₃₃ClN₆O₂
Molecular Weight : 545.08
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



CAS: 2227392-55-2

Biological Activity

BSJ-01-175 is a potent, selective dual CDK12/13 covalent inhibitor with IC₅₀ of 156 nM (CDK12/CycK) and 282.6 nM (CDK3/CycK), targets cysteine Cys1039 on CDK12 (or Cys1017 on CDK13).

BSJ-01-175 specifically targets CDK12/13 and suppresses the transcription of BRAC1 and BRAC2.

BSJ-01-175 exhibits antiproliferative activity of BSJ-01-175 in TC71 Ewing sarcoma cells with IC₅₀ of 160 nM.

BSJ-01-175 (10 mg/kg, IP qD) suppresses tumor growth of Ewing sarcoma in TC71 xenograft mouse model of Ewing sarcoma.

References

Jiang B, et al. Eur J Med Chem. 2021 Oct 5;221:113481.

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

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