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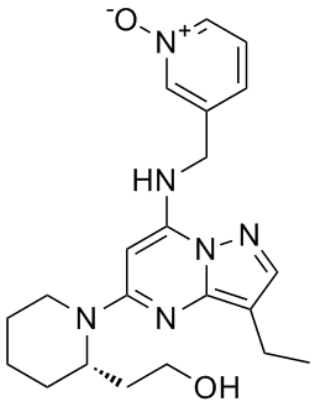
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Dinaciclib
Cat. No.	:	PC-42616
CAS No.	:	779353-01-4
Molecular Formula	:	$C_{21}H_{28}N_6O_2$
Molecular Weight	:	396.486
Target	:	Cyclin-dependent Kinase (CDK)
Solubility	:	DMSO: ≥ 56 mg/mL



Biological Activity

Dinaciclib (SCH 727965) is a potent and selective **CDK** inhibitor with IC50 of 1, 1, 3 and 4 nM against CDK2, CDK5, CDK1 and CDK9, respectively.
Dinaciclib (SCH 727965) completely suppresses Rb phosphorylation and inhibits bromodeoxyuridine incorporation in >100 tumor cell lines.
Dinaciclib (SCH 727965) exhibits superior activity with an improved therapeutic index compared with flavopiridol.

References

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Paruch K, et al. ***ACS Med Chem Lett.*** 2010 May 17;1(5):204-8.

Feldmann G, et al. ***Cancer Biol Ther.*** 2011 Oct 1;12(7):598-609.

Johnson AJ, et al. ***Leukemia.*** 2012 Dec;26(12):2554-7.

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