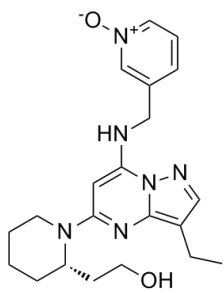


Product Name	: Dinaciclib	
Synonyms	: SCH 727965;SCH727965;SCH-727965	
Cat No.	: M15942	
CAS Number	: 779353-01-4	
Molecular Formula	: C ₂₁ H ₂₈ N ₆ O ₂	
Formula Weight	: 396.49	
Chemical Name	: 2-Piperidineethanol, 1-[3-ethyl-7-[(1-oxido-3-pyridinyl)methyl]amino]pyrazolo[1,5-a]pyrimidin-5-yl]-, (2S)-	
Description	: A potent and selective CDK inhibitor with IC ₅₀ of 1, 1, 3 and 4 nM against CDK2, CDK5, CDK1 and CDK9, respectively; completely suppresses Rb phosphorylation and inhibits bromodeoxyuridine incorporation in >100 tumor cell lines; exhibits superior activity with an improved therapeutic index compared with flavopiridol. Blood Cancer Phase 3 Clinical	
Pathway	: Angiogenesis	
Target	: CDK	
Receptor	: CDK1;CDK2;CDK5;CDK9	
Solubility	: DMSO: ≥ 56 mg/mL	
SMILES	: <chem>OCC[C@H]1N(C2=NC3=C(CC)C=NN3C(NCC4=C[N+](O-)=CC=C4)=C2)CCCC1</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Parry D, et al. Mol Cancer Ther. 2010 Aug;9(8):2344-53. | 2. Paruch K, et al. ACS Med Chem Lett. 2010 May 17;1(5):204-8. | 3. Feldmann G, et al. Cancer Biol Ther. 2011 Oct 1;12(7):598-609. | 4. Johnson AJ, et al. Leukemia. 2012 Dec;26(12):2554-7.