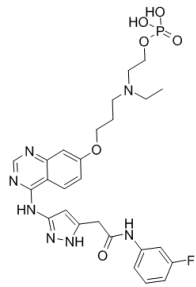


Product Name	: Barasertib	
Synonyms	: AZD-1152;AZD1152	
Cat No.	: M15764	
CAS Number	: 722543-31-9	
Molecular Formula	: C ₂₆ H ₃₁ N ₇ O ₆ P	
Formula Weight	: 587.54	
Chemical Name	1H-Pyrazole-3-acetamide, 5-[[[7-[3-[ethyl[2-(phosphonoxy)ethyl]amino]propoxy]-4-quinazolinyl]amino]-N-(3-fluorophenyl)-	
Description	A potent, highly selective Aurora B inhibitor with IC ₅₀ of 0.37 nM; displays >1,000-fold selectivity over Aurora B kinase; induces growth arrest and apoptosis in human acute leukemia cells in vitro and in vivo. Blood Cancer Phase 2 Discontinued	
Pathway	Cell Cycle/DNA Damage	
Target	Aurora Kinase	
Receptor	Aurora Kinase	
Solubility	DMSO: ≥ 33 mg/mL	
SMILES	<chem>O=P(O)(OCCN(CC)CCCOC1=CC2=NC=NC(NC3=NNC(CC(NC4=CC=CC(F)=C4)=O)=C3)=C2C=C1)O</chem>	
Storage	(-20°C)	
Stability	≥ 2 years	
Reference	:	

1. Mortlock AA, et al. J Med Chem. 2007 May 3;50(9):2213-24. | 2. Yang J, et al. Blood. 2007 Sep 15;110(6):2034-40. | 3. Wilkinson RW, Clin Cancer Res. 2007 Jun 15;13(12):3682-8. et al. | 4. Evans RP, et al. Br J Haematol. 2008 Feb;140(3):295-302.