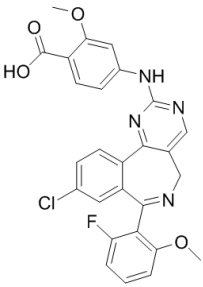


Product Name	: Alisertib	
Synonyms	: MLN 8237;MLN8237;MLN-8237	
Cat No.	: M10137	
CAS Number	: 1028486-01-2	
Molecular Formula	: C ₂₇ H ₂₀ ClFN ₄ O ₄	
Formula Weight	: 518.92	
Chemical Name	Benzoic acid, 4-[[9-chloro-7-(2-fluoro-6-methoxyphenyl)-5H-pyrimido[5,4-d][2]benzazepin-2-yl]amino]-2-methoxy-	
Description	A potent and highly selective inhibitor of Aurora A with IC ₅₀ of 1.2 nM; has less activity against Aurora B (IC ₅₀ =396.5 nM) and a 205-kinase panel; inhibits proliferation of human tumor cell lines in vitro and produces tumor growth inhibition in solid tumor xenograft models.	
Pathway	Cell Cycle/DNA Damage	
Target	Aurora Kinase	
Receptor	AuroraA;AuroraB	
Solubility	DMSO: 9.33 mg/mL	
SMILES	<chem>O=C(O)C1=CC=C(NC2=NC=C3C(C4=CC=C(Cl)C=C4C(C5=C(OC)C=CC=C5F)=NC3)=N2)C=C1OC</chem>	
Storage	(-20°C)	
Stability	≥ 2 years	
Reference	:	

1. Manfredi MG, et al. Clin Cancer Res. 2011 Dec 15;17(24):7614-24. | 2. Wen Q, et al. Cell. 2012 Aug 3;150(3):575-89. | 3. Zhou N, et al. Clin Cancer Res. 2013 Apr 1;19(7):1717-28.