



Product Information

Aurora kinase inhibitor MLN8237, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ478

Size: 5 mg; 10 mg; 50 mg; 200 mg

MDL: MFCD16621243

CAS Number: 1028486-01-2

Compound CID: 24771867

Synonym: Alisertib; 1028486-01-2; MLN8237; MLN-8237; MLN 8237; MLN8237

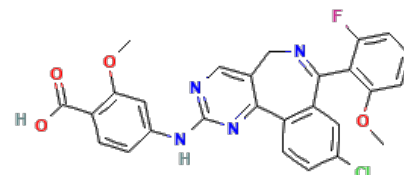
(Alisertib);

4-((9-Chloro-7-(2-fluoro-6-methoxyphenyl)

-5H-benzo[c]pyrimido[4,5-e]azepin-2-yl)amino)-2-methoxybenzoic acid; Aurora kinase

inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	MLN8237, soluble in DMSO and insoluble in ethanol and water, is an Aurora kinase inhibitor that disrupts cell division processes. It targets Aurora A and Aurora B.
Molecular Weight	518.9
Molecular Formula	C ₂₇ H ₂₀ ClFN ₄ O ₄
Targets	Aurora A: 1.2 nM; Aurora B: 396.5 nM
IUPAC Name	4-[[9-Chloro-7-(2-fluoro-6-methoxyphenyl)-5H-pyrimido[5,4-d][2]benzazepin-2-yl]amino]-2-methoxybenzoic acid
InChI	InChI=1S/C27H20ClFN4O4/c1-36-21-5-3-4-20(29)23(21)25-19-10-15(28)6-8-17(19)24-14(12-30-25)13-31-27(33-24)32-16-7-9-18(26(34)35)22(11-16)37-2/h3-11,13H,12H2,1-2H3,(H,34,35)(H,31,32,33)
InChI Key	ZLHFILGSQDJULK-UHFFFAOYSA-N
Canonical SMILES	COC1=C(C(=CC=C1)F)C2=NCC3=CN=C(N=C3C4=C2C=C(C=C4)Cl)NC5=CC(=C(C=C5)C(=O)O)OC
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 23 mg/mL (44.32 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.



Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	MLN8237, also known as alisertib, is used to explore the influence of Aurora kinase A inhibition on tumor growth.
Storage	Store at -20°C.
