

Product Information

ATM-ATR inhibitor CP-466722, Purity \geq 98%

Cat. No.: X24-05-ZQ316

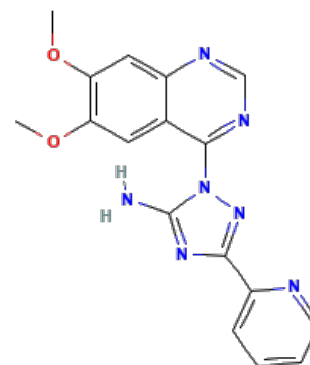
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1080622-86-1

Compound CID: 44551660

Synonym: 1080622-86-1; CP466722; ATM-ATR inhibitor

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



Product Information

Description	CP-466722, soluble in DMSO and insoluble in ethanol and water, interferes with DNA damage response and repair processes, enhancing the sensitivity of cancer cells. It targets ATM.
Molecular Weight	349.4
Molecular Formula	C ₁₇ H ₁₅ N ₇ O ₂
Targets	ATM: 410 nM
IUPAC Name	2-(6,7-Dimethoxyquinazolin-4-yl)-5-pyridin-2-yl-1,2,4-triazol-3-amine
InChI	InChI=1S/C17H15N7O2/c1-25-13-7-10-12(8-14(13)26-2)20-9-21-16(10)24-17(18)22-15(23-24)11-5-3-4-6-19-11/h3-9H,1-2H3,(H2,18,22,23)
InChI Key	ILBRKJBKDGCSQB-UHFFFAOYSA-N
Canonical SMILES	COC1=C(C=C2C(=C1)C(=NC=N2)N3C(=NC(=N3)C4=CC=CC=N4)N)OC
Form	Lyophilized powder
Purity	\geq 98%
Solubility	DMSO: 0.24 mg/mL (0.69 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	CP-466722 is applied to explore its inhibition of ATM kinase in studies on DNA damage response and cancer therapy.
Storage	Store at -20°C.