



CP-466722

Cat. No.:	OB0225WX-2340
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, HPLC, and LC-MS.
Size:	1 mg; 2 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg; 500 mg

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

Product Overview

Description	CP-466722 is a reversible and effective ATM inhibitor that displays no inhibitory action against ATR, PI3K, or other members of the PIKK family in cellular environments.
Synonym	CP 466722; CP466722; 1080622-86-1; 1-(6,7-dimethoxyquinazolin-4-yl)-3-(pyridin-2-yl)-1H-1,2,4-triazol-5-amine; 2-(6,7-dimethoxyquinazolin-4-yl)-5-pyridin-2-yl-1,2,4-triazol-3-amine; 2-(6,7-dimethoxyquinazolin-4-yl)-5-(pyridin-2-yl)-2H-1,2,4-triazol-3-amine; 2-(6,7-dimethoxyquinazolin-4-yl)-5-(pyridin-2-yl)-1,2,4-triazol-3-amine; MFCD17392566; 1-(6,7-Dimethoxy-4-quinazolinyl)-3-(2-pyridinyl)-1H-1,2,4-triazol-5-amine; 2-(6,7-dimethoxy-4-quinazolinyl)-5-(2-pyridinyl)-1,2,4-triazol-3-amine; 2-(6,7-Dimethoxy-quinazolin-4-yl)-5-pyridin-2-yl-2H-[1,2,4]triazol-3-ylamine
CAS No.	1080622-86-1
Compound CID	44551660
Formula	C ₁₇ H ₁₅ N ₇ O ₂
Formula Weight	349.35

Specification

Targets&IC50	ATM: 410 nM
Relative Density	1.48 g/cm ³
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	ILBRKJBKDGCSB-UHFFFAOYSA-N
SMILES string	<chem>COC1=C(C=C2C(=C1)C(=NC=N2)N3C(=NC(=N3)C4=CC=CC=N4)N)OC</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	CP-466722 is employed in laboratory experiments as a potent ATM inhibitor to examine the regulation of cell cycle checkpoints and the recruitment of repair proteins to double-strand breaks.

Library Information

Target	ATM/ATR
Receptor	ATM
Pathways	DNA damage/DNA repair; PI3K/Akt/mTOR signaling
Plate Number	AOCL-31
Plate Location	a2
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	□1 mg/mL; insoluble or slightly soluble)