

Elimusertib

Cat. No.:	OB0225WX-2338
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, HPLC, and LC-MS.
Size:	1 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg; 500 mg

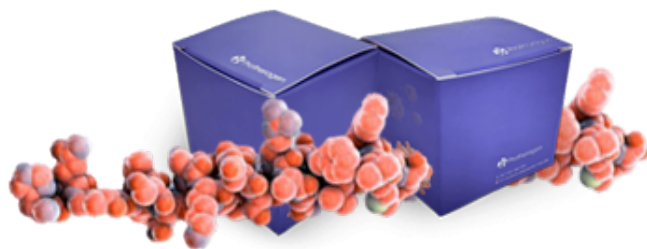
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Elimusertib is a highly selective and orally bioavailable ATR inhibitor with a n anomolar IC50 of 7 nM.
Synonym	BAY-1895344; 1876467-74-1; BAY 1895344; BAY1895344; (R)-3-methyl-4-(4-(1-methyl-1H-pyrazol-5-yl)-8-(1H-pyrazol-3-yl)-1,7-naphthyridin-2-yl)morpholine; BAY-1895344 HCl; (3R)-3-methyl-4-[4-(2-methylpyrazol-3-yl)-8-(1H-pyrazol-5-yl)-1,7-naphthyridin-2-yl]morpholine; (3R)-3-methyl-4-(4-(2-methylpyrazol-3-yl)-8-(1H-pyrazol-5-yl)-1,7-naphthyridin-2-yl)morpholine; (R)-3-methyl-4-(4-(1-methyl-1H-pyrazol-5-yl)-8-(1H-pyrazol-5-yl)-1,7-naphthyridin-2-yl)morpholine; 2-[(3R)-3-Methyl-4-morpholinyl]-4-(1-methyl-1H-pyrazol-5-yl)-8-(1H-pyrazol-3-yl)-1,7-naphthyridine; BAY-1895344; 2-[(3R)-3-methylmorpholin-4-yl]-4-(2-methylpyrazol-3-yl)-8-(1H-pyrazol-3-yl)-1,7-naphthyridine
CAS No.	1876467-74-1
Compound CID	118869362
Formula	C ₂₀ H ₂₁ N ₇
Formula Weight	375.43

Specification

Targets&IC50	ATR: 7 nM (IC50)
Relative Density	1.43 g/cm ³



IUPAC Name	(3 <i>R</i>)-3-Methyl-4-[4-(2-methylpyrazol-3-yl)-8-(1 <i>H</i> -pyrazol-5-yl)-1,7- naphthyridin-2-yl]morpholine
InChI	InChI=1S/C20H21N7O/c1-13-12-28-10-9-27(13)18-11-15(17-5-8-23-26(17)2)14-3-6-21-20(19(14)24-18)16-4-7-22-25-16/h3-8,11,13H,9-10,12H2,1-2H3,(H,22,25)/t13-/m1/s1
InChI Key	YBXRSCXGRPSTMW-CYBMUJFWSA-N
SMILES string	<chem>C[C@@H]1COCCN1C2=NC3=C(C=CN=C3C4=CC=NN4)C(=C2)C5=CC=NN5C</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Elimusertib is utilized in advanced oncology research as a potent and selective ATR inhibitor to investigate the disruption of replication stress responses and the enhancement of DNA-damaging therapies.

Library Information

Target	ATM/ATR
Receptor	ATR
Pathways	DNA damage/DNA repair; PI3K/Akt/mTOR signaling
Plate Number	AOCL-30
Plate Location	h10
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	11 mg/mL; 29.3 mM