

Product Name	: AZD-6738
Synonyms	: AZD6738;AZD 6738;Ceralasertib
Cat No.	: M11428
CAS Number	: 1352226-88-0
Molecular Formula	: C ₂₀ H ₂₄ N ₆ O ₂ S
Formula Weight	: 412.51
Chemical Name	: 1H-Pyrrolo[2,3-b]pyridine, 4-[4-[1-[[S(R)]-S-methylsulfonimidoyl]cyclopropyl]-6-[(3R)-3-methyl-4-morpholinyl]-2-pyrimidinyl]-
Description	: AZD-6738 (AZD6738, Ceralasertib) is a potent and selective inhibitor of ATR with IC ₅₀ of 1 nM; shows no significant activity for ATM, DNA-PK and mTOR; inhibits ATR kinase-dependent CHK1 phosphorylation in cells (IC ₅₀ =74 nM); enhances the therapeutic efficacy of cisplatin in xenograft models; orally active and bioavailable. Gastric Cancer Phase 2 Clinical
Pathway	: Cell Cycle/DNA Damage
Target	: ATM/ATR
Receptor	: ATR
Solubility	: DMSO: ≥ 38 mg/mL
SMILES	: CC1COCCN1C2=NC(=NC(=C2)C3(CC3)S(=N)(=O)C)C4=C5C=CNC5=NC=C4
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Vendetti FP, et al. Oncotarget. 2015 Dec 29;6(42):44289-305. | 2. Kwok M, et al. Blood. 2016 Feb 4;127(5):582-95. | 3. Min A, et al. Mol Cancer Ther. 2017 Apr;16(4):566-577.

