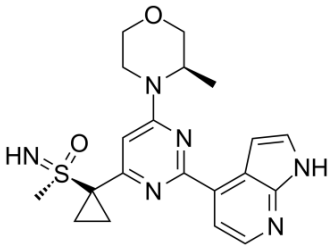
(S)-Ceralasertib

Cat. No.:	HY-19323A		
CAS No.:	1352226-87-9		
Molecular Formula:	$C_{20}H_{24}N_6O_2S$		
Molecular Weight:	412.51		
Target:	ATM/ATR		
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	(S)-Ceralasertib is extracted from patent WO2011154737A1, Compound II, exhibits an **IC_{50}** of 2.578 nM[1].(S)-Ceralasertib is a potent and selective sulfoximine morpholinopyrimidine **ATR** inhibitor with excellent preclinical physicochemical and pharmacokinetic (PK) characteristics.(S)-Ceralasertib is developed improving aqueous solubility and eliminates CYP3A4 time-dependent inhibition[2].

REFERENCES

[1]. By Foote, et al. Morpholinopyrimidines as ATR kinase inhibitors and their preparation, pharmaceutical compositions and use in the treatment of cancer. PCT Int. Appl. (2011), WO 2011154737 A1 20111215.

[2]. Foote KM, et al. Discovery and Characterization of AZD6738, a Potent Inhibitor of Ataxia Telangiectasia Mutatedand Rad3 Related (ATR) Kinase with Application as an Anticancer Agent. J Med Chem. 2018 Nov 21;61(22):9889-9907.

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