

## ATR kinase substrate peptide

## Chemical Properties

CAS No. :

Formula: C<sub>81</sub>H<sub>132</sub>N<sub>22</sub>O<sub>25</sub>

Molecular Weight:

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	ATRkinase substrate peptide (compound 45) is a potent and selective inhibitor of the ATR protein kinase, with a $K_i$ of 6 nM. It inhibits ATR activity by competing with the ATP binding site of the ATR kinase, thereby blocking ATR-mediated signal transduction. This compound can be utilized to study the role of ATR kinase in the DNA damage response.
Targets(IC50)	ATM/ATR

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