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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ATR kinase substrate peptide

Cat. No.:	HY-P10280
Molecular Formula:	C ₈₁ H ₁₃₂ N ₂₂ O ₂₅
Molecular Weight:	1814.05
Sequence:	Ala-Ser-Glu-Leu-Pro-Ala-Ser-Gln-Pro-Gln-Pro-Phe-Ser-Ala-Lys-Lys-Lys
Sequence Shortening:	ASELPASQPQPFSAKKK
Target:	ATM/ATR
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	ATR kinase substrate peptide (compound 45) is a potent and selective inhibitor of ATR (Ataxia Telangiectasia and Rad3 related) protein kinase (K _i =6 nM). ATR kinase substrate peptide inhibits ATR activity by competing with ATR kinase ATP-binding sites to block ATR mediated signaling. ATR kinase substrate peptide can be used to study the role of ATR kinase in DNA damage response ^[1] .
IC ₅₀ & Target	ATR 6 nM (K _i)

REFERENCES

[1]. Charrier J D, et al. Discovery of potent and selective inhibitors of ataxia telangiectasia mutated and Rad3 related (ATR) protein kinase as potential anticancer agents[J]. Journal of medicinal chemistry, 2011, 54(7): 2320-2330.

Caution: Product has not been fully validated for medical applications. For research use only.

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