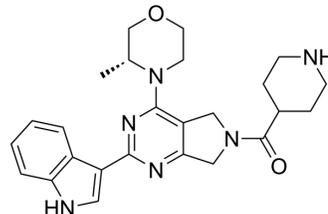


## ATR-IN-11

Cat. No.:	HY-144435
Molecular Formula:	C <sub>25</sub> H <sub>30</sub> N <sub>6</sub> O <sub>2</sub>
Molecular Weight:	446.54
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-IN-11 (Compound Hit01) is a potent inhibitor of ataxia telangiectasia and Rad3-related (ATR) kinase. ATR kinase is a key regulating protein within the DNA damage response (DDR), responsible for sensing replication stress (RS). ATR-IN-11 is a promising lead compound for subsequent agent discovery targeting ATR kinase. ATR-IN-11 has the potential for the research of cancer disease<sup>[1]</sup>.

## REFERENCES

[1]. Chen P, et al. Discovery of 6,7-dihydro-5H-pyrrolo[3,4-d] pyrimidine derivatives as a new class of ATR inhibitors. *Bioorg Med Chem Lett.* 2022;63:128651.

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

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