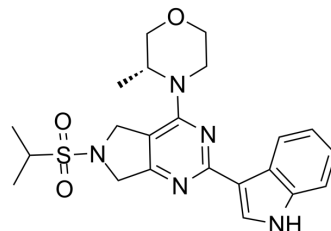


## ATR-IN-12

Cat. No.:	HY-144436
Molecular Formula:	C <sub>22</sub> H <sub>27</sub> N <sub>5</sub> O <sub>3</sub> S
Molecular Weight:	441.55
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-12 (Compound 5g) is a potent inhibitor of ataxia telangiectasia and Rad3-related (ATR) kinase with an IC<sub>50</sub> value of 0.007 μM. ATR-IN-12 displays good anti-tumor activity and significantly reduces the phosphorylation level of ATR and its downstream signaling protein. ATR-IN-12 is a promising lead compound for subsequent drug discovery targeting ATR kinase [1].

## 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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