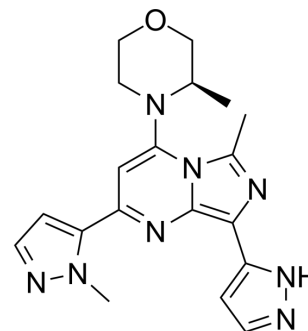


## ATR-IN-15

<b>Cat. No.:</b>	HY-147567
<b>CAS No.:</b>	2756665-52-6
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>22</sub> N <sub>8</sub> O
<b>Molecular Weight:</b>	378.43
<b>Target:</b>	ATM/ATR; DNA-PK; PI3K
<b>Pathway:</b>	Cell Cycle/DNA Damage; PI3K/Akt/mTOR
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	ATR-IN-15 (compound 1) is an orally active and potent ATR kinase inhibitor, with an IC <sub>50</sub> of 8 nM. ATR-IN-15 also inhibits human colon tumor cells LoVo, DNA-PK and PI3K, with IC <sub>50</sub> values of 47, 663 and 5131 nM, respectively <sup>[1]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	ATR 8 nM (IC <sub>50</sub> )	PI3K 5131 nM (IC <sub>50</sub> )	ATM > 10000 nM (IC <sub>50</sub> )

## REFERENCES

[1]. Xin Li, et al. Imidazopyrimidine derivative, preparation method therefor and medical use thereof. WO2022002243A1.

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

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