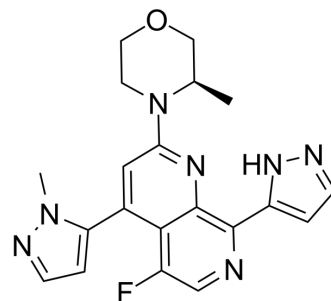


## ATR-IN-14

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-147566   |
| CAS No.:           | 2765785-88-2  |
| Molecular Formula: | C <sub>20</sub> H <sub>20</sub> N <sub>7</sub> O  |
| Molecular Weight:  | 393.42  |
| 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-14 (compound 1) is a potent ATR kinase inhibitor. ATR-IN-14 inhibits ATR signaling pathways downstream CHK1 protein phosphorylation, with inhibition of 98.03% at 25 nM. ATR-IN-14 shows good anticancer activity in LoVo cells, with an IC <sub>50</sub> of 64 nM <sup>[1]</sup> . |
| IC <sub>50</sub> & Target | ATR  |

## REFERENCES

[1]. Shao-hui Wang, et al. Class of 1,7-naphthyridine compounds and application thereof. WO2022063308A1.

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

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