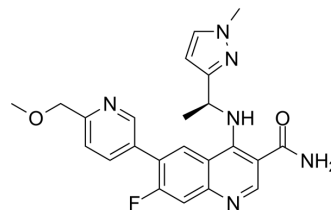


ATM Inhibitor-10

| | |
|--------------------|---|
| Cat. No.: | HY-118911 |
| CAS No.: | 1941214-06-7 |
| Molecular Formula: | C ₂₃ H ₂₃ FN ₆ O ₂ |
| Molecular Weight: | 434.47 |
| 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 | ATM Inhibitor-10 (compound 74), a 3-quinoline carboxamide, is a highly selective and orally active ATM inhibitor (IC ₅₀ : 0.6 nM). ATM Inhibitor-10 has anti-tumor activity in SW620 xenograft models. ATM Inhibitor-10 is synergistic with Top I inhibitors [1]. |
| IC ₅₀ & Target | 0.6 nM (ATM), 370 nM (DNAPK), 1.48 μM (mTOR), 0.445 μM (PI3Kα), 12.8 μM (PI3Kβ), 7.1 μM (PI3Kγ) ^[1] |

REFERENCES

[1]. Degorce SL, et al. Discovery of Novel 3-Quinoline Carboxamides as Potent, Selective, and Orally Bioavailable Inhibitors of Ataxia Telangiectasia Mutated (ATM) Kinase. *J Med Chem*. 2016 Jul 14;59(13):6281-92.

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

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