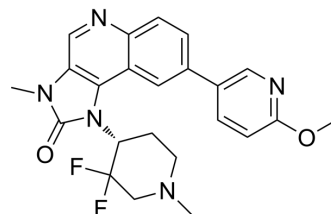


## WSD0628

Cat. No.:	HY-162002
CAS No.:	2765448-96-0
Molecular Formula:	C <sub>23</sub> H <sub>23</sub> F <sub>2</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	439.46
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

<b>Description</b>	WSD0628 is a brain penetrant and potent ATM inhibitor with profound radiosensitizing effect <sup>[1]</sup> .
<b>In Vitro</b>	WSD0628 significantly increased the radiosensitivity of U251 cells in clonogenic survival assays (0 nM vs. 30 nM at 5Gy, p<0.01) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	WSD0628 (10 mg/kg, a single dose of 12.5 Gy combined) has profound impact on treatment efficacy in the melanoma brain metastasis M12 PDX <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Zhiyi Xue, et al. Abstract A148: The radiosensitizing effects of the novel brain penetrant and potent ATM inhibitor WSD0628 in glioblastoma and melanoma patient derived xenografts. Mol Cancer Ther (2023) 22 (12\_Supplement): A148.

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

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