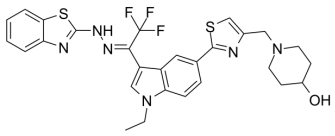
ATX inhibitor 16

Cat. No.:	HY-146889
CAS No.:	2484811-36-9
Molecular Formula:	$C_{28}H_{27}F_3N_6OS_2$
Molecular Weight:	584.68
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ATX inhibitor 16 is a potent ATX inhibitor with an IC_{50} of 0.0021 μM. ATX inhibitor 16 shows excellent anti-proliferative activities in breast cancer cells[1].
IC_{50} & Target	IC_{50}: 0.0021 μM (ATX)[1]
In Vitro	ATX inhibitor 16 (compound 9j) (0-15 μM; 72 h) shows excellent anti-proliferative activities in breast cancer cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Cytotoxicity Assay[1]

Cell Line:	MCF7, MDA-MB-231, A549, H2228 cells
Concentration:	0-15 μM
Incubation Time:	72 h
Result:	Exhibited excellent anti-proliferative activities with IC_{50}s of 0.43, 0.31, 10.98, 7.18 μM for MCF7, MDA-MB-231, A549, H2228 cells, respectively.

REFERENCES

[1]. Lei H,et al. Structure guided design of potent indole-based ATX inhibitors bearing hydrazone moiety with tumor suppression effects. Eur J Med Chem. 2020 Sep 1;201:112456.

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