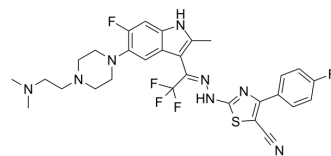


ATX inhibitor 17

Cat. No.:	HY-146890
CAS No.:	2750152-64-6
Molecular Formula:	C ₂₉ H ₂₉ F ₅ N ₈ S
Molecular Weight:	616.65
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ATX inhibitor 17 is a potent ATX inhibitor with an IC ₅₀ of 0.019 μM. ATX inhibitor 17 shows excellent anti-proliferative activities in breast cancer cells ^[1] .	
IC₅₀ & Target	IC ₅₀ : 0.019 μM (ATX) ^[1]	
In Vitro	ATX inhibitor 17 (compound 25a) (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:	Showed excellent antiproliferative effects with IC ₅₀ s of 1.01, 0.79, 13.40, >15 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.

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

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