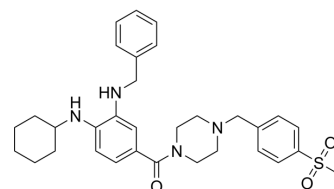


Ferroptosis-IN-7

Cat. No.:	HY-161460
Molecular Formula:	C ₃₂ H ₄₀ N ₄ O ₃ S
Molecular Weight:	560.75
Target:	Ferroptosis; Reactive Oxygen Species
Pathway:	Apoptosis; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ferroptosis-IN-7(Compound 26) is a ferroptosis inhibitor which can restore cell viability, reduce iron accumulation and scavenge reactive oxygen species. Ferroptosis-IN-7 can be used for vascular diseases research ^[1] .
In Vitro	Ferroptosis-IN-7 (10 μM, 24 h) rescues cell viability from 10 μM Erastin (HY-15763) and reduces iron and ROS accumulation, maintain mitochondrial membrane potential, increase GSH levels, decrease LPO and MDA content, and upregulate GPX4 expression ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ji HL, et al. Design, synthesis, and evaluation of formylpiperazine analogs of Ferrostatin-1 as novel improved ferroptosis inhibitors. Bioorg Med Chem. 2024 Apr 9;105:117716.

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

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