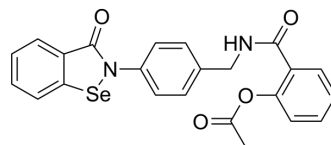


TrxR1-IN-1

Cat. No.:	HY-149390
Molecular Formula:	C ₂₃ H ₁₈ N ₂ O ₄ Se
Molecular Weight:	465.36
Target:	TrxR
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	TrxR1-IN-1 (Compound 5j) is a TrxR1 inhibitor (IC ₅₀ : 8.8 μM). TrxR1-IN-1 has anticancer activity, with IC ₅₀ s of MCF-7 (1.5 μM), HeLa (1.7 μM), BGC-823 (2.4 μM), SW-480 (2.8 μM), A549 (2.1 μM). TrxR1-IN-1 has antioxidant activity, and scavenges DPPH radical ^[1] .
IC ₅₀ & Target	8.8 μM (TrxR1) ^[1]

REFERENCES

[1]. Zhong M, et al. Synthesis, cytotoxicity, antioxidant activity and molecular modeling of new NSAIDs-EBS derivatives. Eur J Med Chem. 2023 Jul 18;259:115662.

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

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