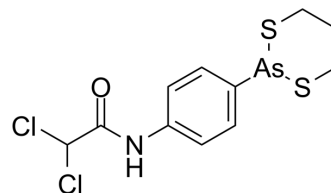


TrxR-IN-6

Cat. No.:	HY-157158
CAS No.:	3032446-53-7
Molecular Formula:	C ₁₁ H ₁₂ AsCl ₂ NOS ₂
Molecular Weight:	384.18
Target:	TrxR; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

TrxR-IN-6 (compound 1d) is a TrxR inhibitor that induces reactive oxygen species (ROS) accumulation and has anticancer activity. TrxR-IN-6 can further lead to redox system collapse, inducing mitochondrial dysfunction, endoplasmic reticulum (ER) stress, and DNA damage. Finally, it causes oxidative stress and induces apoptosis^[1].

REFERENCES

[1]. She W et al. Discovery of novel organoarsenicals as robust thioredoxin reductase inhibitors for oxidative stress mediated cancer therapy. *Biochem Pharmacol.* 2023 Nov 4;218:115908.

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

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