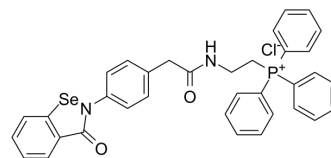


MitoEbselen-2 chloride

Cat. No.:	HY-139381
CAS No.:	1638973-78-0
Molecular Formula:	C ₃₅ H ₃₀ ClN ₂ O ₂ PSe
Molecular Weight:	656.01
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MitoEbselen-2 chloride (MitoPeroxidase 2), a mitochondria-targeted mimic of glutathione peroxidase, is a radiation mitigator. MitoEbselen-2 chloride is effective in reducing lipid hydroperoxides, preventing apoptotic cell death ^[1] .
In Vitro	MitoEbselen-2 chloride (5-20 μM; 30 min) affords -50% radioprotection/mitigation of mouse embryonic cells at the concentration of 20 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	MitoEbselen-2 chloride (100 μL of 4 mg/mL; i.v.) increases the survival of mice exposed to whole body γ-irradiation ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Stoyanovsky DA, et, al. Design and Synthesis of a Mitochondria-Targeted Mimic of Glutathione Peroxidase, MitoEbselen-2, as a Radiation Mitigator. ACS Med Chem Lett. 2014 Nov 18;5(12):1304-1307.

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

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