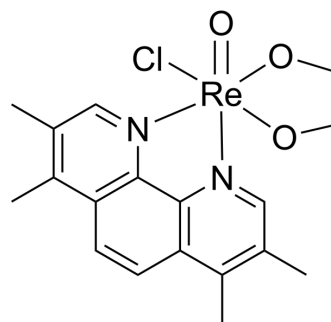


Me4Phen

Cat. No.:	HY-155474
Molecular Formula:	C ₁₈ H ₂₀ ClN ₂ O ₃ Re
Molecular Weight:	534.02
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Me4Phen (compound 3) is an oxygen rhenium (V) complex that depletes mitochondrial membrane potential and upregulates intracellular reactive oxygen species (ROS), leading to endoplasmic reticulum stress-mediated necrosis of cancer cells. Me4Phen is highly lipophilic and effectively overcomes Cisplatin (HY-17394) resistance in a variety of cancer cells^[1].

REFERENCES

[1]. Das S et al. Necrosis-Inducing High-Valent Oxo-Rhenium(V) Complexes with Potent Antitumor Activity: Synthesis, Aqueous Chemistry, Cisplatin Cross-Resistance Profile, and Mechanism of Action. *Inorg Chem*. 2023 Nov 16.

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

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