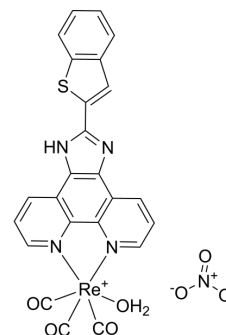


fac-[Re(CO)₃(L6)(H₂O)][NO₃]

Cat. No.:	HY-155718
Molecular Formula:	C ₂₄ H ₁₄ N ₅ O ₇ ReS
Molecular Weight:	702.67
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	fac-[Re(CO) ₃ (L6)(H ₂ O)][NO ₃] (compound 6), the rhenium(I) tricarbonyl aqua complex, is an anticancer agent associated with mitochondrial dysfunction. fac-[Re(CO) ₃ (L6)(H ₂ O)][NO ₃] is cytotoxic to prostate cancer cells, IC ₅₀ =50 nM (PC-3 cells). fac-[Re(CO) ₃ (L6)(H ₂ O)][NO ₃] mainly accumulates in the nucleus, down-regulates ATP production in PC3 cells, and promotes apoptosis. However, fac-[Re(CO) ₃ (L6)(H ₂ O)][NO ₃] did not induce necrosis, pyrodeath and autophagy ^[1] .
In Vivo	fac-[Re(CO) ₃ (L6)(H ₂ O)][NO ₃] MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Enslin LE, et al. Rhenium(I) Tricarbonyl Complexes of 1,10-Phenanthroline Derivatives with Unexpectedly High Cytotoxicity. *Inorg Chem.* 2023 Aug 7;62(31):12237-12251.

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

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