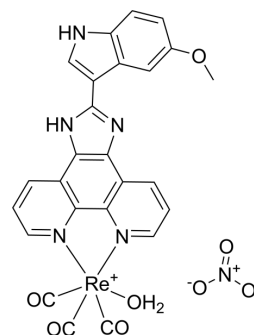


fac-[Re(CO)₃(L3)(H₂O)][NO₃]

| | |
|---------------------------|---|
| Cat. No.: | HY-155719 |
| Molecular Formula: | C ₂₅ H ₁₇ N ₆ O ₈ Re |
| Molecular Weight: | 715.64 |
| Target: | Paraptosis |
| Pathway: | Apoptosis |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | fac-[Re(CO) ₃ (L3)(H ₂ O)][NO ₃] (compound 3), the rhenium(I) tricarbonyl aqua complex, is an anticancer agent associated with mitochondrial dysfunction. fac-[Re(CO) ₃ (L3)(H ₂ O)][NO ₃] is cytotoxic to prostate cancer cells with IC ₅₀ =0.32 μM (PC-3 cells). fac-[Re(CO) ₃ (L3)(H ₂ O)][NO ₃] mainly accumulates in mitochondria, down-regulates ATP production in PC3 cells, and promotes paraptosis. However, fac-[Re(CO) ₃ (L3)(H ₂ O)][NO ₃] did not induce necrosis, apoptosis and autophagy ^[1] . |
| In Vivo | fac-[Re(CO) ₃ (L3)(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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA