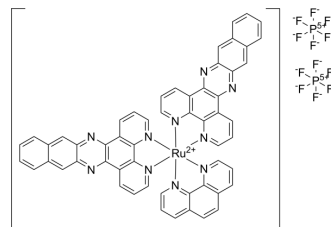


[Ru(dppn)2phen](PF6)2

Cat. No.:	HY-157053
Molecular Formula:	C ₅₆ H ₃₂ F ₁₂ N ₁₀ P ₂ Ru
Molecular Weight:	1235.92
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

[Ru(dppn)2phen](PF6)2 (compound 4) is a polypyridylruthenium compound used in photodynamic therapy (PDT). [Ru(dppn)2phen](PF6)2 is normally nontoxic under dark conditions and induces mitochondrial respiratory damage upon light exposure. [Ru(dppn)2phen](PF6)2 exhibits high levels of singlet oxygen quantum yield and phototoxicity against cancer cells^[1].

REFERENCES

[1]. Pozza MD et al. Increasing the π-Expansive Ligands in Ruthenium(II) Polypyridyl Complexes: Synthesis, Characterization, and Biological Evaluation for Photodynamic Therapy Applications. *Inorg Chem*. 2023 Nov 13;62(45):18510-18523.

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

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