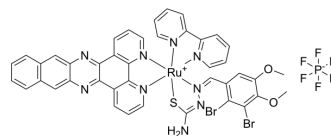


Ru3

Cat. No.:	HY-155348
Molecular Formula:	C ₄₂ H ₃₀ Br ₂ F ₆ N ₉ O ₂ PRuS
Molecular Weight:	1130.65
Target:	PARP
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ru3 is a poly(ADP-ribose) polymerase 1 inhibitor. Ru3 induces apoptosis in MCF-7 cells by multiple modes, inclusive of inducing DNA damage, suppressing DNA damage repair, disturbing cell cycle distribution, decreasing the mitochondrial membrane potential, and increasing the intracellular reactive oxygen species levels^[1].

REFERENCES

[1]. Yang Y, et al. Study on the Multimodal Anticancer Mechanism of Ru(II)/Ir(III) Complexes Bearing a Poly(ADP-ribose) Polymerase 1 Inhibitor. *J Med Chem.* 2023;66(19):13731-13745.

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

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