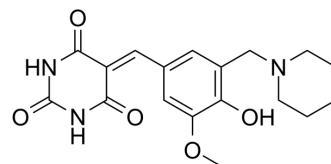


PARP1-IN-9

Cat. No.:	HY-149001
CAS No.:	2494000-71-2
Molecular Formula:	C ₁₈ H ₂₁ N ₃ O ₅
Molecular Weight:	359.38
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	PARP1-IN-9 (Compound 5c) is a PARP1 inhibitor with an IC ₅₀ of 30.51 nM. PARP1-IN-9 induces cell apoptosis and shows anticancer activity. PARP1-IN-9 has higher potency than Olaparib (HY-10162) [1].
IC₅₀ & Target	PARP1 30.51 nM (IC ₅₀)
In Vitro	PARP1-IN-9 (Compound 5c) shows antiproliferative activity with an IC ₅₀ of 3.65 μM against MDA-MB-436 cancer cell line[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Eldin A Osman E, et al. Design and synthesis of some barbituric and 1,3-dimethylbarbituric acid derivatives: A non-classical scaffold for potential PARP1 inhibitors. Bioorg Chem. 2020 Nov;104:104198.

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

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