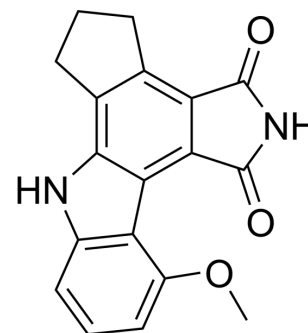


CEP-8983

Cat. No.:	HY-14688
CAS No.:	374071-46-2
Molecular Formula:	C ₁₈ H ₁₄ N ₂ O ₃
Molecular Weight:	306.32
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	CEP-8983 is a PARP-1 and PARP-2 inhibitor (IC ₅₀ : 20 and 6 nM). CEP-8983 is an effective chemosensitizing agent, and can sensitize chemotherapy-resistant cell lines and subcutaneous xenografts to Temozolomide (HY-17364) and Camptothecin (HY-16560) ^[1] .
IC ₅₀ & Target	20 and 6 nM (PARP-1/2) ^[1] .

REFERENCES

[1]. Miknyoczki S, et al. The selective poly(ADP-ribose) polymerase-1(2) inhibitor, CEP-8983, increases the sensitivity of chemoresistant tumor cells to temozolomide and irinotecan but does not potentiate myelotoxicity. *Mol Cancer Ther.* 2007 Aug;6(8):2290-302.

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

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