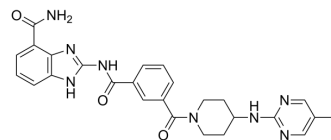


PARP-1/2-IN-2

Cat. No.:	HY-149398
Molecular Formula:	C ₂₅ H ₂₃ N ₈ O ₃
Molecular Weight:	610.41
Target:	Apoptosis; PARP; CDK
Pathway:	Apoptosis; Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

PARP-1/2-IN-2-IN-1 (Compound 12e) is a PARP1/2/CDK12 inhibitor (IC₅₀: 34, 30 and 285 nM respectively). PARP-1/2-IN-2 inhibits DNA damage repair, promotes cell cycle arrest and apoptosis. PARP-1/2-IN-2 inhibits the growth of TNBC cells and TNBC xenograft tumor^[1].

REFERENCES

[1]. Zhang L, et al. Discovery of a novel dual-target inhibitor of CDK12 and PARP1 that induces synthetic lethality for treatment of triple-negative breast cancer. *Eur J Med Chem.* 2023 Jul 16;259:115648.

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