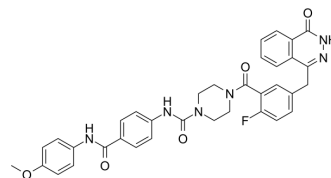


PARP1/2/TNKS1/2-IN-1

Cat. No.:	HY-146336
CAS No.:	2243453-32-7
Molecular Formula:	C ₃₅ H ₃₁ FN ₆ O ₅
Molecular Weight:	634.66
Target:	PARP; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PARP1/2/TNKS1/2-IN-1 (Compound I-9) is a dual PARP-1, PARP-2, TNKS1 and TNKS2 inhibitor with IC ₅₀ values of 0.25 nM, 1.2 nM, 13.5 nM and 4.15 nM against PARP-1, PARP-2, TNKS1 and TNKS2, respectively. PARP1/2/TNKS1/2-IN-1 exhibits favorable synergistic antitumor efficacy and induces apoptosis ^[1] .			
IC₅₀ & Target	PARP-1 0.25 nM (IC ₅₀)	PARP-2 1.2 nM (IC ₅₀)	TNKS2 4.15 nM (IC ₅₀)	TNKS1 13.5 nM (IC ₅₀)

REFERENCES

[1]. Xu Y, et al. Rational design, synthesis and biological evaluation of dual PARP-1/2 and TNKS1/2 inhibitors for cancer therapy. *Eur J Med Chem.* 2022 Jul 5;237:114417.

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

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