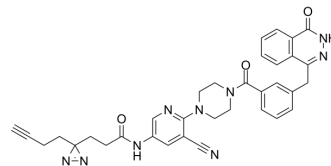


PARPYnD

Cat. No.:	HY-145749
CAS No.:	2561483-27-8
Molecular Formula:	C ₃₄ H ₃₁ N ₉ O ₃
Molecular Weight:	613.67
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	PARPYnD is a PARP enzyme photoaffinity probe (AfBP) based on the triple PARP1/2/6 inhibitor AZ9482 (HY-119653), which induces breast cancer Formation of multipolar spindles (MPS) in cells. PARPYnD inhibits PAPR with IC ₅₀ of 38 nM (PARP1), 6 nM (PARP2), 230 nM (PARP6), respectively. PARPYnD enriches recombinant PARP6 incorporated into cell lysates and inhibits PARP6 in cell-free assays, but it does not label PARP6 in intact cells ^[1] .	
IC ₅₀ & Target	PARP1	PARP2

REFERENCES

[1]. Howard RT, et al. Structure-Guided Design and In-Cell Target Profiling of a Cell-Active Target Engagement Probe for PARP Inhibitors. ACS Chem Biol. 2020 Feb 21;15(2):325-333.

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

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