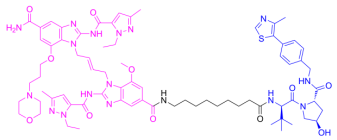
UNC9036

Cat. No.:	HY-158048
Molecular Formula:	$C_{73}H_{95}N_{17}O_{11}S$
Molecular Weight:	1418.71
Target:	PROTACs; STING
Pathway:	PROTAC; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	UNC9036 is a PROTAC-based STING degrader, with a DC_{50} of 227 nM. UNC9036-mediated STING degradation is proteasome and VHL dependent (Srtucture Note: Red, STING agonist diABZI (HY-112921A); Blue, VHL ligand VH032 (HY-120217); Black, linker)[1].
IC_{50} & Target	VHL
In Vitro	UNC9036 mediated degradation occurs through a multistep mechanism; The diABZI PROTAC binds and activates STING, activated STING is phosphorylated; The VHL ligand recruits VHL to target phosphorylated STING for proteasomal degradation. VHL depletion partially rescues STING expression under UNC9036 treatment conditions[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Western Blot Analysis[1].

Cell Line:	Whole cell lysates (WCL) derived from Caki-1 cells.
Concentration:	1 μM.
Incubation Time:	0-24 h.
Result:	Degrades protein levels of STING time-dependently.

REFERENCES

[1]. Zhichuan Zhu, et al. Development of VHL-recruiting STING PROTACs that suppress innate immunity. Cell Mol Life Sci. 2023 May 14;80(6):149.

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