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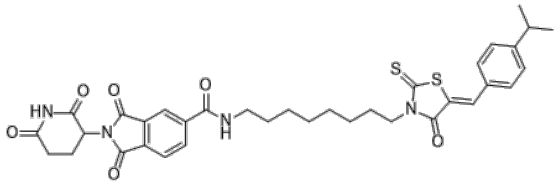
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	MDEG-541
Cat. No.	:	PC-23408
CAS No.	:	
Molecular Formula	:	$C_{35}H_{38}N_4O_6S_2$
Molecular Weight	:	674.83
Target	:	PROTAC
Solubility	:	10 mM in DMSO



Biological Activity

MDEG-541 is a small molecule MYC PROTAC degrader, induces cereblon-dependent degradation of MYC, GSPT1/2, and PLK1.
MDEG-541 is based on the MYC-MAX dimerization inhibitor 10058-F4 derivative 28RH and Thalidomide.
MDEG-541 regulates MYC in a fashion dependent on CRBN, ubiquitination, and the proteasome, the compound acts pleiotropic and also decreased the expression of G1 To S Phase Transition 1 (GSPT1), GSPT2, and the Polo-like kinase 1 (PLK1).
MDEG-541 shows cellular activity in conventional gastrointestinal cancer cell lines and primary cancer organoids.

References

Lier S, et al. Bioorg Chem. 2022 Feb;119:105505.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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