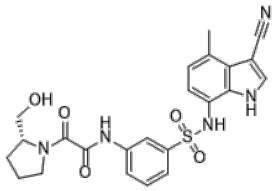
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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	CB039
Cat. No.	:	PC-28649
CAS No.	:	3056259-55-0
Molecular Formula	:	$C_{23}H_{23}N_5O_5S$
Molecular Weight	:	481.53
Target	:	PROTAC
Solubility	:	10 mM in DMSO



CAS: 3056259-55-0

Biological Activity

CB039 is a potent RBM39 molecular glue degrader with cell growth inhibition IC50 of 36.7 nM against HCT-116 cells.
CB039 facilitates RBM39 degradation through a CRL complex and a functional proteasome, similar to the actions of Indisulam.
CB039 enhances the recruitment of RBM39 to DCAF15 by extensive interactions.
CB039 significantly increases intron retention (RI) transcripts of CUL4A, NCKAP1L, and PRPF38A in HCT-116 cells, induces multiple RNA splicing defects.
CB039 induces CEP192 exon 42 skipping and reduced CEP192 protein levels.
CB039 demonstrated significant in vivo antitumor efficacy in HCT-116 mouse xenograft model.

References

Xilin Lyu, et al. J Med Chem. 2025 Apr 10;68(7):7807-7826.

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

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