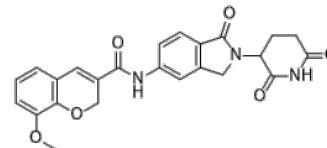


Product Name : DEG-77
Cat. No. : PC-23963
CAS No. :
Molecular Formula : C₂₄H₂₁N₃O₆
Molecular Weight : 447.45
Target : PROTAC
Solubility : 10 mM in DMSO



Biological Activity

DEG-77 is a more soluble analog of DEG-35, dual degrader of IKZF2 and casein kinase 1 α (CK1 α) with DC50 of 15.3 nM and 10 nM respectively.

DEG-77 shows increased selectivity against IKZF2 (DC50 = 15.3 nM) and CK1 α (DC50 = 10 nM) over other known neosubstrates (GSPT1, IKZF1, IKZF3).

DEG-77 reduced abundance of HOXA9 and c-MYC in MOLM-13 cells.

DEG-77 treatment resulting in increased apoptosis, myeloid differentiation, and induction of the TP53 pathway, and comparable preferential sensitivity to leukemia versus healthy cells.

DEG-77 has better efficacy and can block leukemic stem cell activity.

References

Park SM, et al. Cancer Cell. 2023 Apr 10;41(4):726-739.e11.

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

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