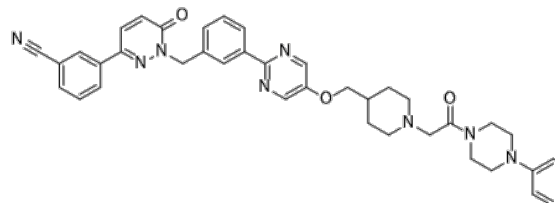


Product Name : c-MET PROTAC D15
Cat. No. : PC-27354
CAS No. : 2959535-15-8
Molecular Formula : C₄₇H₄₄N₁₀O₇
Molecular Weight : 860.93
Target : PROTAC
Solubility : 10 mM in DMSO



CAS: 2959535-15-8

Biological Activity

c-MET PROTAC D15 is a potent, selective and orally active c-MET PROTAC degrader with DC50 of 0.44 nM and 0.35 nM in EBC-1 and Hs746T cells respectively (Dmax >99%).

D15 exhibits antiproliferative effect for c-Met sensitive EBC-1 and Hs746T cells with IC50 of 2.11 nM and 3.50 nM respectively.

D15 degrades c-MET through the ubiquitin proteasome pathway and the formation of ternary complex.

D15 (10 nM) significantly inhibits cell migration and invasion in EBC-1 and Hs746T cells.

D15 (10-100 nM) induces apoptosis and G1 cell cycle arrest in BC-1 and Hs746T cells.

D15 (10 mg/kg, i.p.) significantly inhibited EBC-1 tumor growth in vivo.

D15 (p.o., 40 mg/kg) significantly repressed Hs746T tumor growth in vivo.

References

Pengyun Li, et al. Acta Pharm Sin B. 2023 Jun;13(6):2715-2735.

Patent CN116496253 A 2023-07-28.

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

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