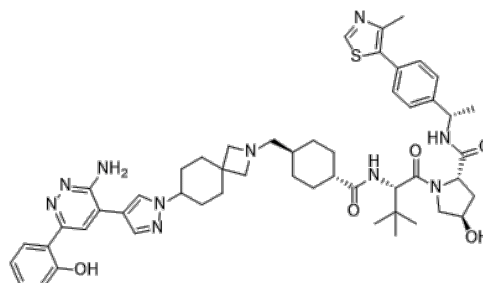


Product Name : SMD-3040
Cat. No. : PC-23675
CAS No. : 3033109-92-8
Molecular Formula : C₅₂H₆₆N₁₀O₅S
Molecular Weight : 943.23
Target : PROTAC
Solubility : 10 mM in DMSO



Biological Activity

SMD-3040 is a highly potent, exceptionally selective SMARCA2 PROTAC degrader with DC₅₀ of 12 nM and D_{max} = 96% in HeLa cells, >500-fold selectivity over SMARCA4.

SMD-3040 achieved a DC₅₀ value of 35 nM and a D_{max} value of 98% for SMARCA2 in SK-Mel-28 SMARCA4 WT cell line.

SMD-3040 achieved DC₅₀ values of 20 and 63 nM in SK-Mel-5 and H838 cell lines, respectively, with D_{max} values of 94 and 90%, respectively.

SMD-3040 is selective in cell growth inhibition of SMARCA4-deficient cancer cell lines over SMARCA4 wild-type cancer cell lines.

SMD-3040 exhibits strong tumor growth inhibition in two SMARCA4-deficient xenograft models at well-tolerated dose schedules.

References

Lin Yang, et al. J Med Chem. 2023 Aug 10;66(15):10761-10781.

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

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