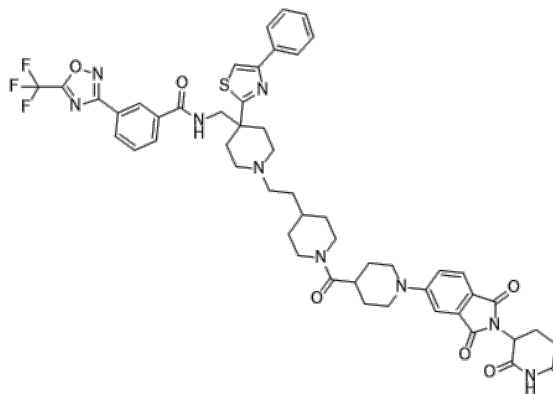


Product Name	: HDAC7 PROTAC B14
Cat. No.	: PC-24640
CAS No.	: 2945165-63-7
Molecular Formula	: C ₅₁ H ₅₂ F ₃ N ₉ O ₇ S
Molecular Weight	: 992.09
Target	: PROTAC
Solubility	: 10 mM in DMSO



CAS: 2945165-63-7

Biological Activity

HDAC7 PROTAC B14 is a potent, exceedingly selective **HDAC7 PROTAC degrader** with DC50 of 25.1 nM in NB4 cells.

B14 induced the HDAC7 degradation in a concentration-dependent manner in both DHL6 and NB4 cells.

B14 (1 $\mu\text{mol/L}$) induced a significant reduction in HDAC7 protein level was observed, reaching over 85% degradation at 24 h.

B14 exhibited specific degradation selectivity for HDAC7 over other Class I HDACs (HDAC1, HDAC2, HDAC3, HDAC8), while Class IIb HDACs (HDAC6, HDAC10).

B14 also had limited influence on the degradation of neo-substrates such as SALL4, IKZF1/3 (IKZF3 was not detected in NB4 cells in both proteomics and immunoblotting analyses), and GSPT1 in DHL6 and NB4 cells.

B14 induced a concentration-dependent cell cycle arrest in the G0 phase in DHL6 and NB4 cells, markedly inhibited cell proliferation with IC50 of 1.00 and 0.84 μ M respectively.

References

Yuheng Jin, et al. **Acta Pharm Sin B**. 2025 Mar;15(3):1659-1679.

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

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