

Data Sheet

Product Name:	xStAx-VHLL	
Cat. No.:	CS-0893117	
Molecular Formula:	C ₁₅₄ H ₂₄₄ N ₄₈ O ₂₉	
Molecular Weight:	3231.89	
Target:	APC; PROTACs; Wnt; β-catenin	Ac-RRWPR(S ₅)ILD(S ₅)HVRRVWR-(Ahx)-ALAPYIP-NH ₂
Pathway:	Cell Cycle/DNA Damage; PROTAC; Stem Cell/Wnt	
Solubility:	10 mM in DMSO	

BIOLOGICAL ACTIVITY:

xStAx-VHLL is a **PROTAC β-catenin** degrader that manifests strong inhibition of Wnt signaling and sustains degradation of β-catenin in cancer cells and the intestinal organoids derived from wild-type and APC^{-/-} mice. xStAx-VHLL can be used as a promising anticancer agent^[1].

References:

[1]. Liao H, et al. A PROTAC peptide induces durable β-catenin degradation and suppresses Wnt-dependent intestinal cancer. Cell Discov. 2020 Jun 9;6:35.

CAIndexNames:

Ac-RRWPR{S5}ILD{S5}HVRRVWR-{Ahx}-ALAPYIP-NH2

SMILES:

O=C([C@H](CCCNC(N)=N)NC(C)=O)N[C@@H](CCCNC(N)=N)C(N[C@@H](CC1=CNC2=C1C=CC=C2)C(N3CCC[C@H]3C(N[C@@H](CCCNC(N)=N)C(N[C@@H](C(N[C@@H]([C@@H](C)CC)C(N[C@@H](CC(C)C)C(N[C@@H]4CC(O)=O)=O)=O)CCC/C=C/CCC[C@@](C(N[C@@H](CC5=CN=CN5)C(N[C@@H](C(C)C)C(N[C@@H](CCCNC(N)=N)C(N[C@@H](CCCNC(N)=N)C(N[C@@H](C(C)C)C(N[C@@H](CC6=CNC7=C6C=CC=C7)C(N[C@@H](CCCN(C)=N)C(NCCCCC(N[C@@H](C)C(N[C@@H](CC(C)C)C(N[C@@H](C)C(N8[C@H](C(N[C@@H](CC9=CC=C(C=C9)O)C(N[C@@H]([C@@H](C)CC)C(N%10[C@H](C(N)=O)CCC%10)=O)=O)CCC8)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)(NC4=O)C)C)=O)=O)=O

Caution: Product has not been fully validated for medical applications. For research use only.

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