

## xStAx-VHLL TFA

## Chemical Properties

CAS No. :

Formula: C154H244N48O29.xC2HF3O2

Molecular Weight:

Storage: Keep away from moisture, Store at low temperature  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
Actual storage temperature shall be subject to the COA.

## Biological Description

Description	xStAx-VHLL TFA is a $\beta$ -catenin degrader formed by coupling xStAx to VHL ligand, has anti-cancer activity, inhibits Wnt signaling, and can be used in the study of cancer.
Targets(IC50)	PROTACs,Wnt/beta-catenin
In vitro	Both 10 $\mu$ M MSAB and 50 $\mu$ M xStAx-VHLL TFA decreased $\beta$ -catenin protein to a comparable level after 24h treatment in HEK293T, HCT116, and SW480 cells. In LoVo cells, only xStAx-VHLL TFA was able to reduce the $\beta$ -catenin protein level, while MSAB had no effect. [1]
In vivo	Because APC <sup>min/+</sup> mice can develop intestinal tumors around 10 weeks-old, the 11 weeks-old APC <sup>min/+</sup> mice were intraperitoneally injected with 30mg/kg vehicle DMSO or xStAx-VHLL TFA at every other day for 14 days. The xStAx-VHLL TFA reduced tumor number compared with that of 11 weeks-old mice before treatment (day 0) or with vehicle DMSO treatment. [1]

## Solubility Information

Solubility	DMSO: 80 mg/mL, Sonication is recommended. H2O: 80 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Reference

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

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