

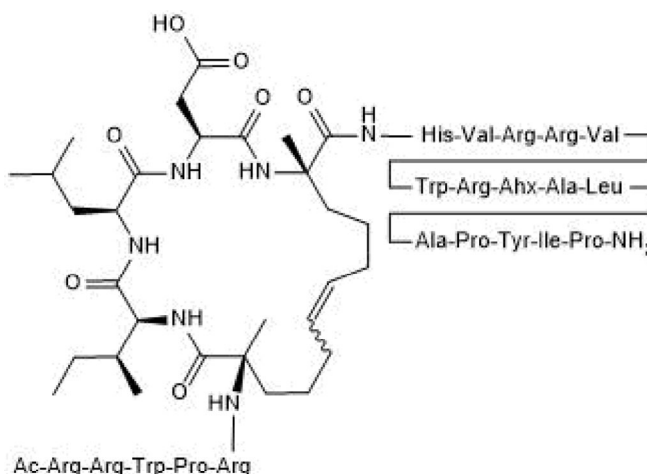
Product Name: xStAx-VHLL

Catalog No.: 7298

Batch No.: 6

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅₄H₂₄₄N₄₈O₂₉
Batch Molecular Weight: 3231.89
Physical Appearance: White lyophilised solid
Counter Ion: TFA
Solubility: Soluble to 1 mg/ml in water
Storage: Store at -20°C
Peptide Sequence:



2. ANALYTICAL DATA

HPLC: Shows 95.7% purity
Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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6

Description:

xStAx-VHLL is a selective peptide-based β -catenin Degrader (PROTAC®). Comprises a β -catenin-targeted stapled peptide, xStAx, linked to a VHL-binding peptide. Reduces β -catenin levels in HEK293T cells and colorectal cancer cell lines. Selectively degrades β -catenin over other Wnt signaling pathway components. Inhibits tumor growth in APC^{min/+} mice, with constitutively active Wnt signaling, and reduces survival of patient-derived colorectal cancer cell organoids. β -catenin antibodies validated for Simple Western™ (automated Western) instruments and Western Blot also available: Catalog # AF1329 and NBP1-54467.... Please see product specific page on www.tocris.com for full description.

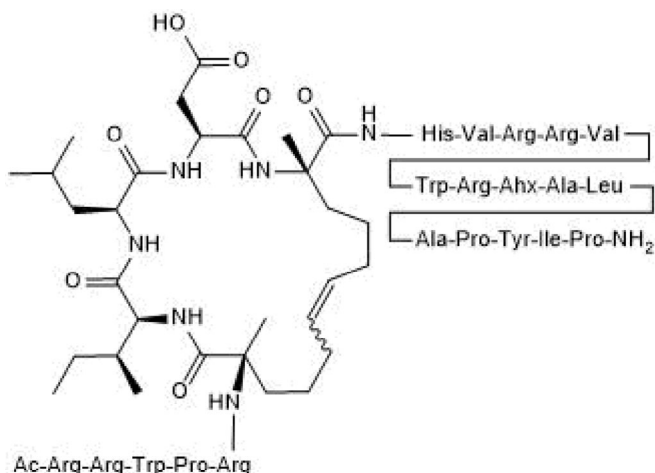
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Storage: Store at -20°C

Solubility & Usage Info:

Soluble to 1 mg/ml in water

This product is supplied in lyophilized form. It may appear as a solid, gel or film and be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Counter Ion: TFA

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Peptides in solution are much less stable than in lyophilized form. This is especially true for peptides whose sequences contain amino acids such as Cys, Met, Trp, Asn, Gln, and N-terminal Glu.

Therefore we recommend storing peptides in solution for as short a time as possible. Avoid repeated freeze thaw cycles by dividing the peptide solution into aliquots and storing the aliquots at -20°C. Any portion of an aliquot unused after thawing should be discarded.

Peptides stored in solution can occasionally be susceptible to bacterial degradation. We recommend using sterile solutions or passing the peptide solution through a 0.2 μ m filter to remove potential bacterial contamination whenever possible.

References:

Liao *et al* (2020) A PROTAC peptide induces durable β -catenin degradation and suppresses Wnt-dependent intestinal cancer. Cell Discov. 6 35. PMID: 32550000.

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