PNC-28 acetate

Cat. No.: HY-P3509A

Molecular Formula: $C_{164}H_{255}N_{47}O_{37}S.xC_2HF_3O_2$

Sequence: Glu-Thr-Phe-Ser-Asp-Leu-Trp-Lys-Leu-Leu-Lys-Lys-Trp-Lys-Met-Arg-Arg-Asn-Gln-Phe-Trp-Val-Lys-Val-Gln-Arg-Gly

ETFSDLWKLLKKWKMRRNQFWVKVQRG (acetate)

Sequence Shortening: ETFSDLWKLLKKWKMRRNQFWVKVQRG

Target: Others

Pathway: Others

Storage: Sealed storage, away from moisture and light, under nitrogen

Powder -80°C 2 years

-20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description	PNC-28 acetate is a peptide from the mdm-2-binding domain (residues 17–26) of the p53 protein which contains a membrane crossing-penetratin sequence. PNC-28 acetate can be used for pancreatic cancer research[1][2].
In Vitro	PNC-28 (0-0.5 mg/mL) blocks growth of a lethal human pancreatic cancer cell line[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	PNC-28 (2 mg/mouse, SC or IP, for 14 days) blocks the growth of BMRPA1. Tuc3 cells in vivo[1]. PNC-28 (1-20 mg/mouse, SC, for 14 days) inhibits BMRPA1. Tuc3 tumor growth especially if delivered directly to the tumor [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kelley A. Sookraj. QS304. Novel p53-Derived Peptide Induces Rapid Human Pancreatic Cancer Cell Death. 2008, 144(2), 1.

[2]. Michl J, et al. PNC-28, a p53-derived peptide that is cytotoxic to cancer cells, blocks pancreatic cancer cell growth in vivo. Int J Cancer. 2006 Oct 1;119(7):1577-85.

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