PNC-28

®

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Cat. No.:	HY-P3509
CAS No.:	392661-17-5
Molecular Formula:	$C_{154}H_{255}N_{47}O_{37}S$
Molecular Weight:	3509.13
Sequence Shortening:	ETFSDLWKLLKKWKMRRNQFWVKVQRG
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Description		n the mdm-2-binding domain (residues 17–26) of the p53 protein which contains a membrane Juence. PNC-28 can be used for pancreatic cancer research ^{[1][2]} .
In Vitro	-	plocks growth of a lethal human pancreatic cancer cell line ^[2] . Intly confirmed the accuracy of these methods. They are for reference only. [2]
	Cell Line:	MiaPaCa-2 human pancreatic carcinoma cells
	Concentration:	0.1, 0.3, and 0.5 mg/mL
	Incubation Time:	daily
	Result:	Showed dependent induction of tumor cell death starting at 0.1 mg/ml.
In Vivo	PNC-28 (1-20 mg/mouse	C or IP, for 14 days) blocks the growth of BMRPA1. Tuc3 cells in vivo ^[1] . e, SC, for 14 days) inhibits BMRPA1. Tuc3 tumor growth especially if delivered directly to the tumor ^{[1} ently confirmed the accuracy of these methods. They are for reference only.
In Vivo	PNC-28 (1-20 mg/mouse	e, SC, for 14 days) inhibits BMRPA1. Tuc3 tumor growth especially if delivered directly to the tumor $^{[1]}$
In Vivo	PNC-28 (1-20 mg/mouse MCE has not independe	e, SC, for 14 days) inhibits BMRPA1. Tuc3 tumor growth especially if delivered directly to the tumor ^[]
In Vivo	PNC-28 (1-20 mg/mouse MCE has not independe Animal Model:	e, SC, for 14 days) inhibits BMRPA1. Tuc3 tumor growth especially if delivered directly to the tumor ^{[1} ently confirmed the accuracy of these methods. They are for reference only. Athymic Nu/Nu mice (7–8 weeks, 22–24 g, injected i.p. with BMRPA1.Tuc3 cells) ^[1]

Dosage:	1 mg/mouse, 10 mg/mouse and 20 mg/mouse
Administration:	When the tumors reached sizes from 40 to 260 mg/mouse, mini-osmotic pumps were implanted s.c. that released, over a period of 14 days
Result:	Resulted in a significant level of tumor growth inhibition in a dose-related manner.

REFERENCES

[1]. 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.

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

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

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