

Topsalysin

Cat. No.:	HY-P99554
CAS No.:	917121-25-6
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Topsalysin is a PSA-activated protoxin, a pore-forming protein (synthetic proaerolysin) fusion protein with human prostate-specific antigen. Topsalysin has tumor suppression effect in mice modle ^[1] .	
In Vitro	Topsalysin (19 pM-10 nM; 48 h) shows prostate-specific antigen (PSA)-dependent toxicity against LNCaP, PC3, DU145, and TSU cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	Topsalysin (intratumor injection; 1-10 µg/mouse; single dose) inhibits tumor growth in mice bearing ^[1] . Topsalysin (0.35, 4.1, 25.8 µg/kg, 25 µL; i.p.; single dose) could kill up to 50% of cells in the injected site of cynomolgus monkey prostate glands ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Nude mice (6-week-old) subcutaneously bearing tumors ^[1]
	Dosage:	0, 1, 5, and 10 µg
	Administration:	Intratumor injection; single dose; measured tumor sizes at first day and twice weekly for 28 days
	Result:	Showed prostate-specific antigen (PSA)-dependent toxicity in mice.

REFERENCES

[1]. Williams SA, et al. A prostate-specific antigen-activated channel-forming toxin as therapy for prostatic disease. J Natl Cancer Inst. 2007 Mar 7;99(5):376-85.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA