

Topsalysin

Chemical Properties

CAS No. :	917121-25-6
Formula:	
Molecular Weight:	
Storage:	-20°C for 1 year Actual storage temperature shall be subject to the COA.

Biological Description

Description	Topsalysin, a prostate-specific antigen (PSA)-activated protoxin, comprises a synthetic proaerolysin fusion protein targeting human prostate-specific antigen. This compound has demonstrated tumor-suppressive effects in a mouse model [1].
Targets(IC50)	PSMA
In vitro	Topsalysin (19 pM-10 nM; 48 hours) demonstrates PSA-dependent cytotoxicity in LNCaP, PC3, DU145, and TSU cell lines [1].
In vivo	Topsalysin (intra-tumoral injection; 1-10 µg/mouse; single dose) inhibits tumor growth in mice [1]. In addition, a single intraperitoneal injection of Topsalysin (0.35, 4.1, 25.8 µg/kg, 25 µL) killed up to 50% of the cells at the prostate injection site in cynomolgus monkeys [1].

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