

Dermaseptin-S1

Cat. No.:	HY-P5594	
CAS No.:	136033-70-0	
Molecular Formula:	$C_{152}H_{257}N_{43}O_{44}S_2$	
Molecular Weight:	3455.06	ALWKTMLKKLGTMALHAGKAALGAAADTISQGTQ
Sequence:	Ala-Leu-Trp-Lys-Thr-Met-Leu-Lys-Lys-Leu-Gly-Thr-Met-Ala-Leu-His-Ala-Gly-Lys-Ala-Ala-Leu-Gly-Ala-Ala-Ala-Asp-Thr-Ile-Ser-Gln-Gly-Thr-Gln	
Sequence Shortening:	ALWKTMLKKLGTMALHAGKAALGAAADTISQGTQ	
Target:	Fungal	
Pathway:	Anti-infection	
Storage:	Sealed storage, away from moisture	
	Powder	-80°C 2 years -20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (3.62 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.2894 mL	1.4472 mL	2.8943 mL
	5 mM	---	---	---
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Dermaseptin-S1 is an antimicrobial peptide derived from frog skin against filamentous fungi^[1].

REFERENCES

[1]. Mor A, et al. The vertebrate peptide antibiotics dermaseptins have overlapping structural features but target specific microorganisms. J Biol Chem. 1994 Dec 16;269(50):31635-41.

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

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