

SMAP-29

Cat. No.:	HY-P2460
CAS No.:	172485-26-6
Molecular Formula:	C ₁₄₆ H ₂₆₀ N ₅₂ O ₃₂
Molecular Weight:	3256.02
Sequence Shortening:	RGLRRLGRKIAHGVKKYGPTVLRIRIAG
Target:	Bacterial; Fungal
Pathway:	Anti-infection
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	SMAP-29, a promising antiinfective agent, is a broad spectrum antibacterial and antifungal α -helical cathelicidin-derived peptide. SMAP-29 acts by permeabilizing bacterial membranes and inducing remarkable changes in the surface morphology of susceptible microorganism ^{[1][2]} .
IC ₅₀ & Target	IC50: bacterial; fungal ^[1]

REFERENCES

- [1]. B Skerlavaj, et al. SMAP-29: a potent antibacterial and antifungal peptide from sheep leukocytes. FEBS Lett. 1999 Dec 10;463(1-2):58-62.
- [2]. Rachel C Anderson, et al. Antimicrobial activity and bacterial-membrane interaction of ovine-derived cathelicidins. Antimicrob Agents Chemother

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

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