

Brevicidine analog 22

Cat. No.:	HY-P10219
Molecular Formula:	C ₇₈ H ₁₁₈ N ₁₈ O ₁₇
Molecular Weight:	1579.88
Sequence:	{Capric acid}-{d-Orn}-{d-Tyr}-{d-Trp}-{d-Orn}-{Orn}-Gly-{d-Orn}-Trp-Thr-Ile-Gly-Ser
Sequence Shortening:	{Capric acid}-{d-Orn}-{d-Tyr}-{d-Trp}-{d-Orn}-{Orn}-G-{d-Orn}-WTIGS
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Brevicidine analog 22 (22) exerts broad spectrum antimicrobial activity and excellent stability ($t_{1/2} = 40.98$ h), with MICs of 2-16 μ M for gram-negative and gram-positive bacteria ^[1] .
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REFERENCES

[1]. Ping Yang, et al. A novel antimicrobial peptide with broad-spectrum and exceptional stability derived from the natural peptide Brevicidine. Eur J Med Chem. 2024 Apr 5;269:116337.

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

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