

Omiganan

Cat. No.:	HY-105048
CAS No.:	204248-78-2
Molecular Formula:	$C_{90}H_{127}N_{27}O_{12}$
Molecular Weight:	1779.15
Sequence Shortening:	ILRWPWWPWRRK-NH ₂
Target:	Bacterial; Antibiotic
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	Omiganan is a cationic antimicrobial peptide. Omiganan as an analogue of indolicidin shows activity against gram-positive and gram-negative bacteria but also Candida spp. isolates. Omiganan can be used for the research of alcohol nose and acne [1][2].
In Vivo	Omiganan results in a statistically significantly reduction in bacterial counts. omiganan reduces the bacterial counts by 3.8 (S. aureus), 2.2 (S. epidermidis) and 2.3 (C. albicans) log ₁₀ CFU/site. Omiganan has rapid bactericidal and fungicidal properties and significant dose-dependent activity against a broad spectrum of infected organisms[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Faccione D, et al. Antimicrobial activity of de novo designed cationic peptides against multi-resistant clinical isolates. Eur J Med Chem. 2014;71:31-35.
- [2]. Rubinchik E, et al. Antimicrobial and antifungal activities of a novel cationic antimicrobial peptide, omiganan, in experimental skin colonisation models. Int J Antimicrob Agents. 2009;34(5):457-461.

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

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