



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Temporin-GHd

|                      |   |
|----------------------|---|
| Cat. No.:            | HY-P10362   |
| CAS No.:             | 2755770-50-2  |
| Molecular Formula:   | C <sub>76</sub> H <sub>108</sub> N <sub>18</sub> O <sub>16</sub>                          |
| Molecular Weight:    | 1529.78   |
| Sequence:            | Phe-Leu-Gln-His-Ile-Ile-Gly-Ala-Leu-Ser-His-Phe-Phe                                       |
| Sequence Shortening: | FLQHIIGALSHFF   |
| Target:              | Bacterial   |
| Pathway:             | Anti-infection  |
| Storage:             | Please store the product under the recommended conditions in the Certificate of Analysis. |

### BIOLOGICAL ACTIVITY

#### Description

Temporin-GHd exhibits antibacterial activity against *Streptococcus mutans* (MIC=13.1 μM; MBC=26 μM). Temporin-GHd increases the permeability of the bacterial cell membrane, causing membrane damage and leakage of cellular contents. Temporin-GHd disrupts preformed biofilms at high concentrations. Temporin-GHd can bind to bacterial DNA, inhibiting DNA migration<sup>[1]</sup>.

### REFERENCES

[1]. Zhong H, et al. Antibacterial and Antibiofilm Activity of Temporin-GHc and Temporin-GHd Against Cariogenic Bacteria, *Streptococcus mutans*. *Front Microbiol.* 2019 Dec 11;10:2854.

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

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