

## ASP-1

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<b>Cat. No.:</b>	HY-P5737
<b>Molecular Formula:</b>	C <sub>42</sub> H <sub>59</sub> N <sub>7</sub> O <sub>10</sub>
<b>Molecular Weight:</b>	821.96
<b>Sequence:</b>	{Ac}-Phe-Leu-Phe-Thr-Val-Ala-[Dhb}
<b>Sequence Shortening:</b>	{Ac}-FLFTVA-{Dhb}
<b>Target:</b>	Bacterial
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

ASP-1 is a strong antistaphylococcal peptide with minimum inhibitory concentrations (MICs) of the purified peptide against *S. aureus* and methicillin-resistant *S. aureus* (MRSA) ranged from 2 µg/mL to 64 µg/mL<sup>[1]</sup>.

### REFERENCES

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[1]. Chalasani AG, et al. Purification and characterisation of a novel antistaphylococcal peptide (ASP-1) from *Bacillus* sp. URID 12.1. *Int J Antimicrob Agents*. 2018 Jan;51(1):89-97.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA