

Rev03
Update: Jun,09,2025

DATASHEET

Melittin,honey bee

Cat. No.: RP20415

Overview

Description	Melittin, a 26-residue bee venom peptide, is known to induce murine antibodies specific for its hydrophilic C-terminus of residues 20 to 26 and T-cell responses specific for its hydrophobic mid-region .This peptide is an anti-inflammatory agent, it inhibits the lyme disease spirochete.
Sequence	{Gly}{Ile}{Gly}{Ala}{Val}{Leu}{Lys}{Val}{Leu}{Thr}{Thr}{Gly}{Leu}{Pro}{Ala}{Leu}{Ile}{Ser}{Trp}{Ile}{Lys}{Arg}{Lys}{Arg}{Gln}{Gln}
Sequence Shortening	GIGAVLKVLTTGLPALISWIKRKRQQ
Molecular Formula	C ₁₃₁ H ₂₂₈ N ₃₈ O ₃₂
Molecular Weight	2847.5

Properties

Purity	> 95%
Solubility	Soluble in Ultrapure water under 1mg/ml
Form	Lyophilized
Storage	Store at -20°C. Keep tightly closed. Store in a cool dry place.

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China