

Rev03
 Update: Feb,10,2022

DATASHEET

Melittin

Cat. No.: RP10290

Overview

Description	This 26-residue polypeptide isolated from bee venom binds calmodulin in a Ca ²⁺ -dependent manner, activates phospholipase A2, and inhibits protein kinase C (IC50=5-7 mM) by binding to the catalytic domain in a Mg-ATP-sensitive manner.
Cas No	20449-79-0
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}-NH ₂
Sequence Shortening	GIGAVLKVLTTGLPALISWIKRKRQQ-NH ₂
Molecular Formula	C ₁₃₁ H ₂₂₉ N ₃₉ O ₃₁
C Terminal	NH ₂
Molecular Weight	2846.46

Properties

Purity	> 95%
Form	Lyophilized
Storage	Store at -20°C
Note	Polypeptide from honey bee venom

Examples

