

DATASHEET

Version: 2016-08-18

Melittin**Cat. No.:** RP10290-0.5**Size:** 0.5 mg**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 ($\text{IC}_{50}=7 \text{ mM}$) by binding to the catalytic domain in a Mg-ATP-sensitive manner.

Cas No: 20449-79-0**C-Terminal:** NH_2 **Sequence (one-letter code):**GIGAVLKVLTTGLPALISWIKRKRQQ- NH_2 **Sequence (three-letter code):**

{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

Formula: $\text{C}_{131}\text{H}_{229}\text{N}_{39}\text{O}_{31}$ **Molecular Weight:** 2,846.46**Purity:** > 95%**Storage:**Store at -20°C **Note:** Polypeptide from honey bee venom

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