

Melittin Peptide from Bee Venom of *Apis Mellifera*

ACE[®]
Ultra-inert
UHPLC & HPLC Columns

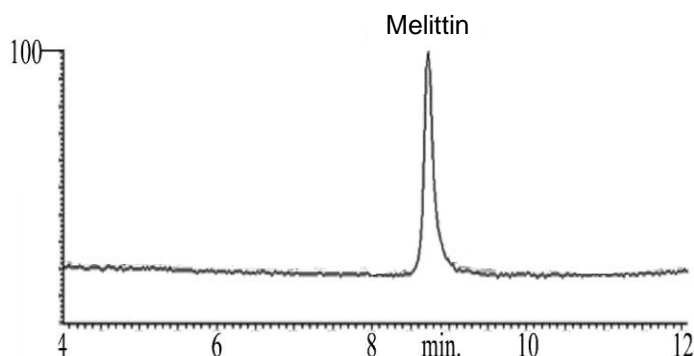
Application #AN4430

Conditions

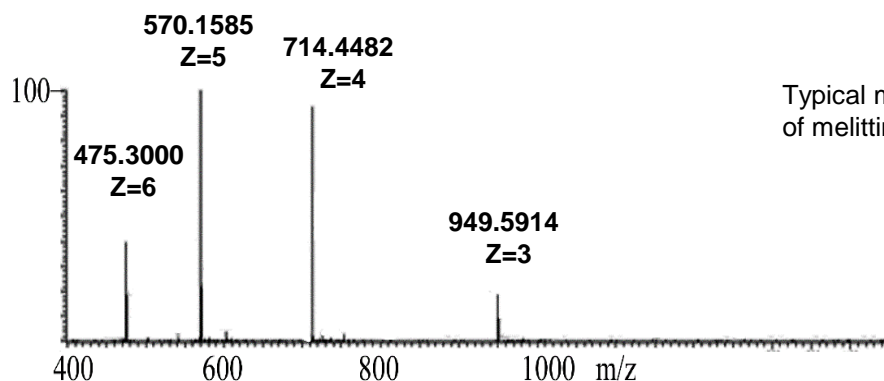
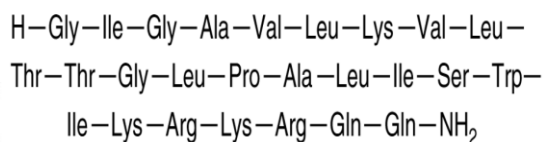
Column: ACE 3 C18
Dimensions: 150 x 3.0 mm
Part Number: ACE-111-1503
Mobile Phase: A: 0.1% formic acid in H₂O
B: 0.1% formic acid in MeCN

Time (mins)	%B
0	20
10	70
16	70
20	20
25	20

Flow Rate: 0.3 mL/min
Injection: 10 µL
Detection: Thermo Orbitrap MS
ESI in positive ion mode
Sample: Fraction isolated from crude bee venom by flash chromatography



Melittin, a 26 amino acid residue peptide, is the major constituent of bee venom.
MW 2846



Typical mass spectrum
of melittin

Tusiimire J, Wallace J, Woods N, Dufton MJ, Parkinson JA, Abbott G, Clements CJ, Young L, Park JK, Jeon JW, Ferro VA, Watson DG. Effect of Bee Venom and its Fractions on the Release of Pro-inflammatory Cytokines in PMS-Differentiated U937 Cells Co-stimulated with LPS. *Vaccines* 4, 11 (2016).
doi:10.3390/vaccines4020011

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