

Structure-Activity Relationship of New Chimeric Analogs of Mastoparan From the Wasp Venom *Paravespula Lewisii*

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Supporting information

Figure S1. HPLC chromatogram (up) and MALDI-TOF mass spectrum (down) of mastoparan.

Figure S2. HPLC chromatogram (up) and MALDI-TOF mass spectrum (down) of MP-RIP.

Figure S3. HPLC chromatogram (up) and MALDI-TOF mass spectrum (down) of RIP-MP.

Figure S4. HPLC chromatogram (up) and MALDI-TOF mass spectrum (down) of TP10.

Table S1. Calculated and found molecular weight of synthesized peptides.

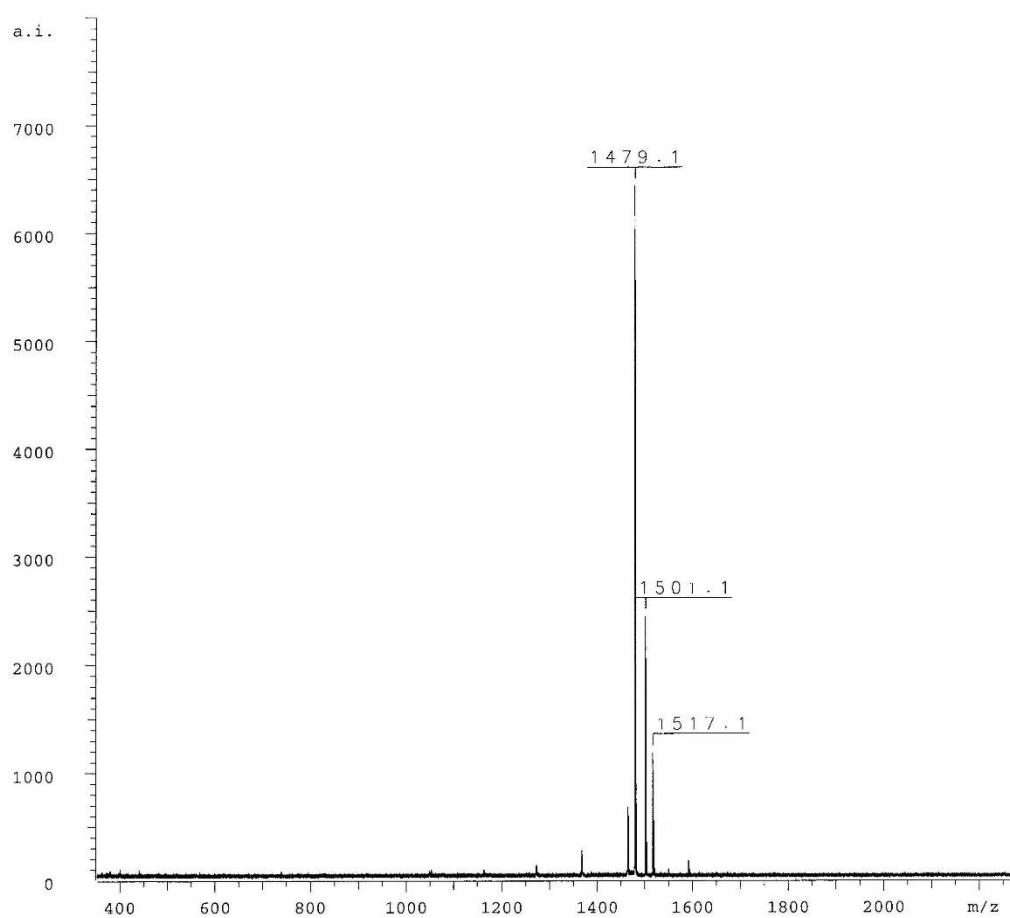
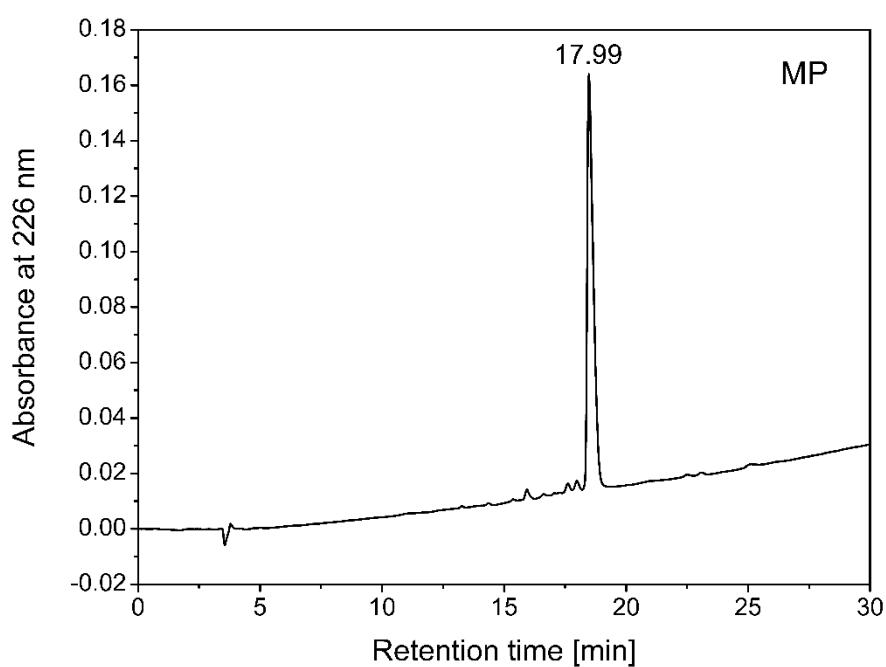


Figure S1. HPLC chromatogram (up) and MALDI-TOF mass spectrum (down) of mastoparan.

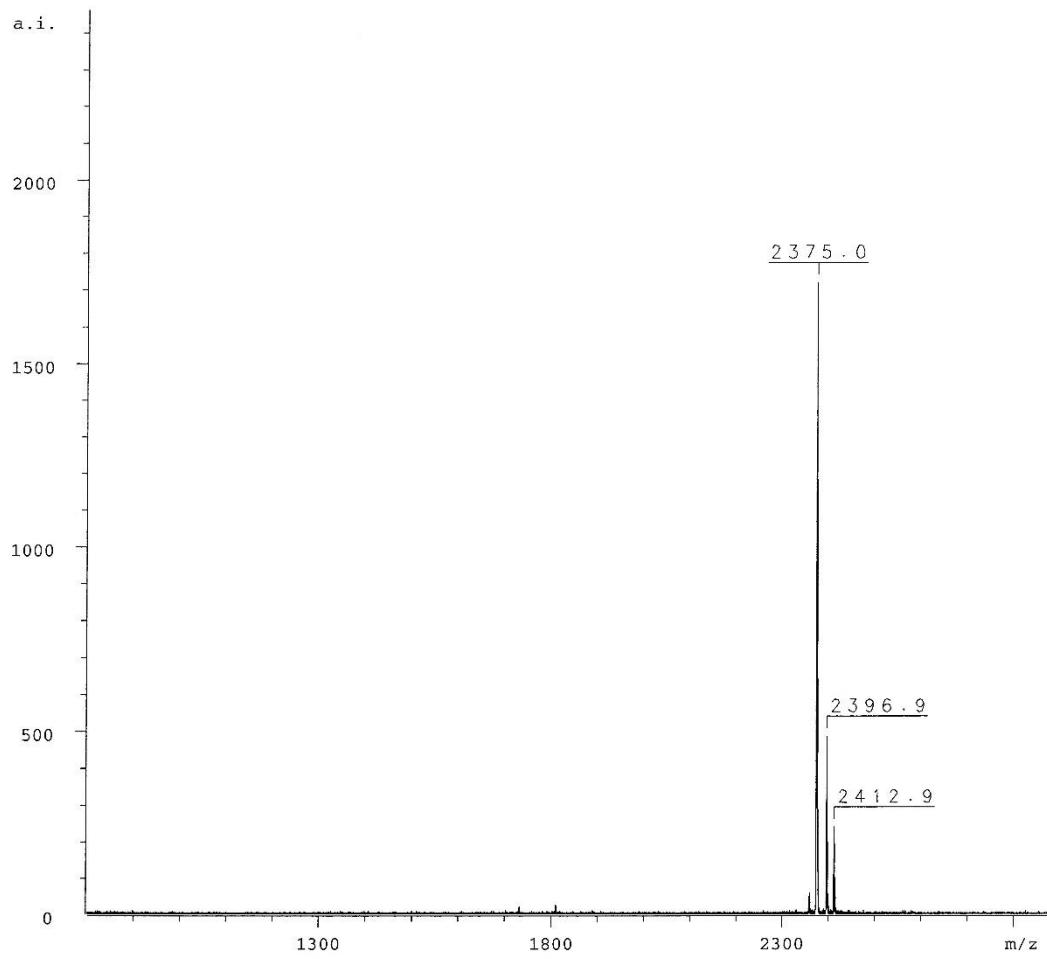
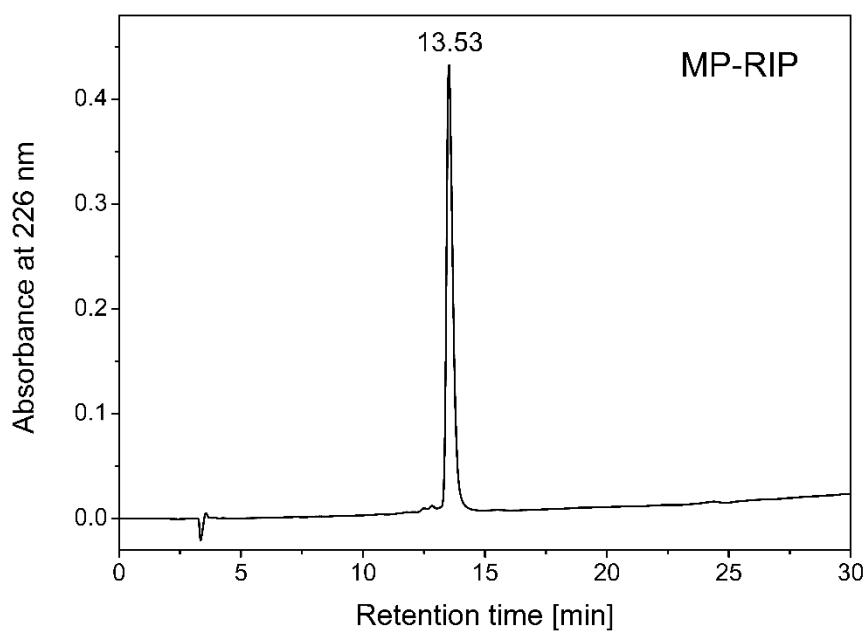


Figure S2. HPLC chromatogram (up) and MALDI-TOF mass spectrum (down) of MP-RIP.

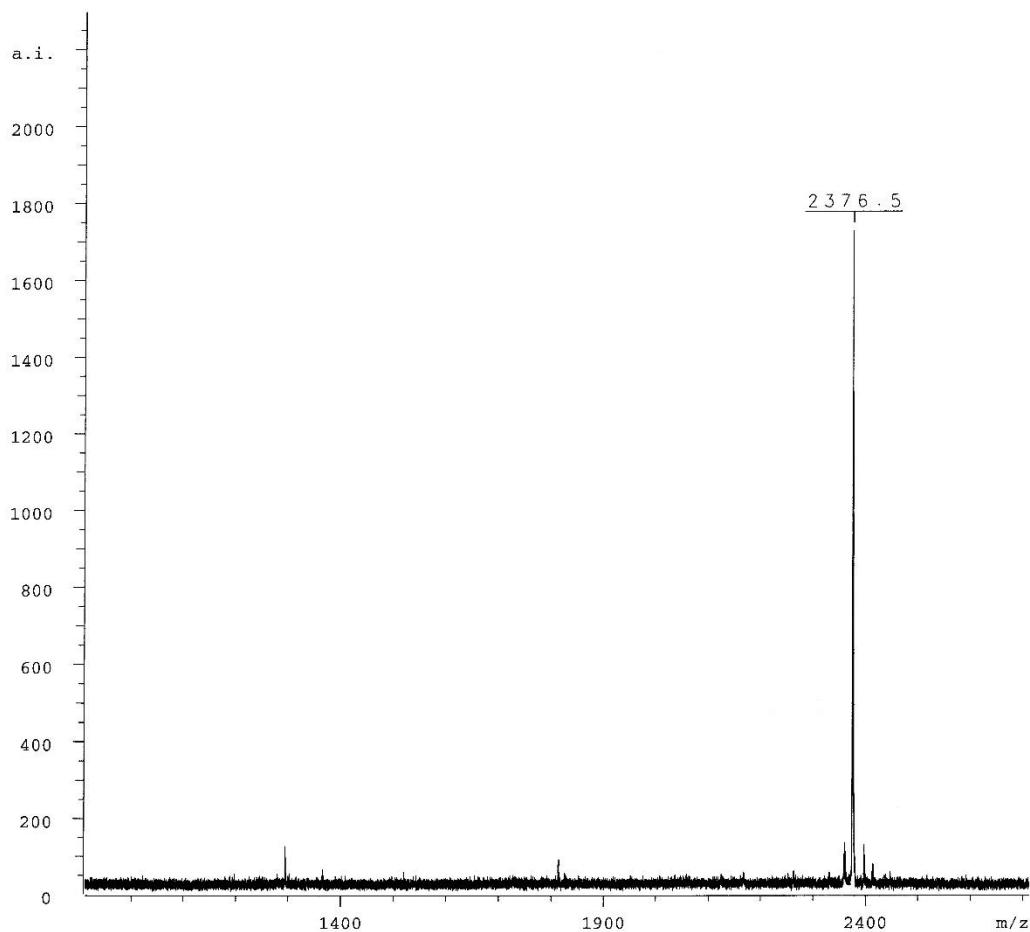
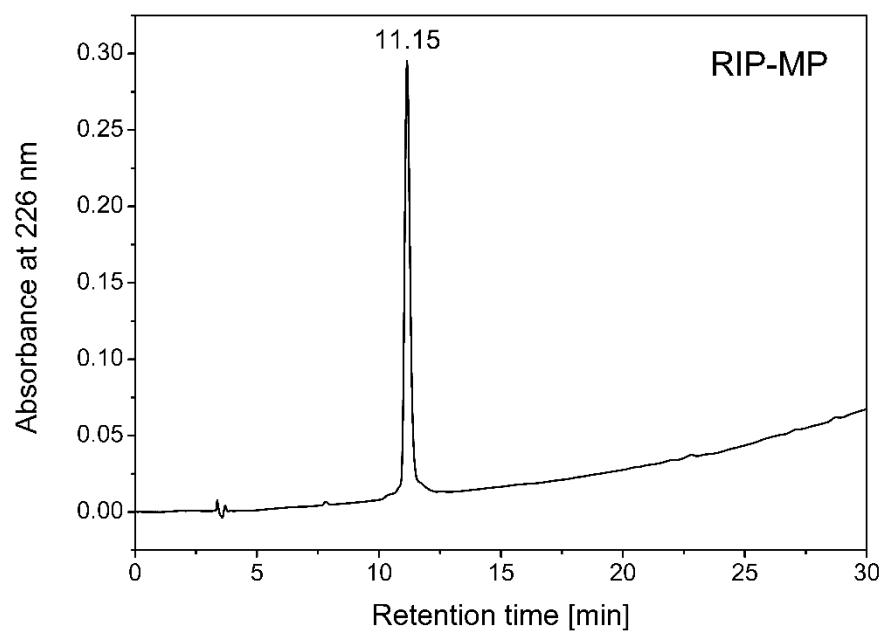


Figure S3. HPLC chromatogram (up) and MALDI-TOF mass spectrum (down) of RIP-MP.

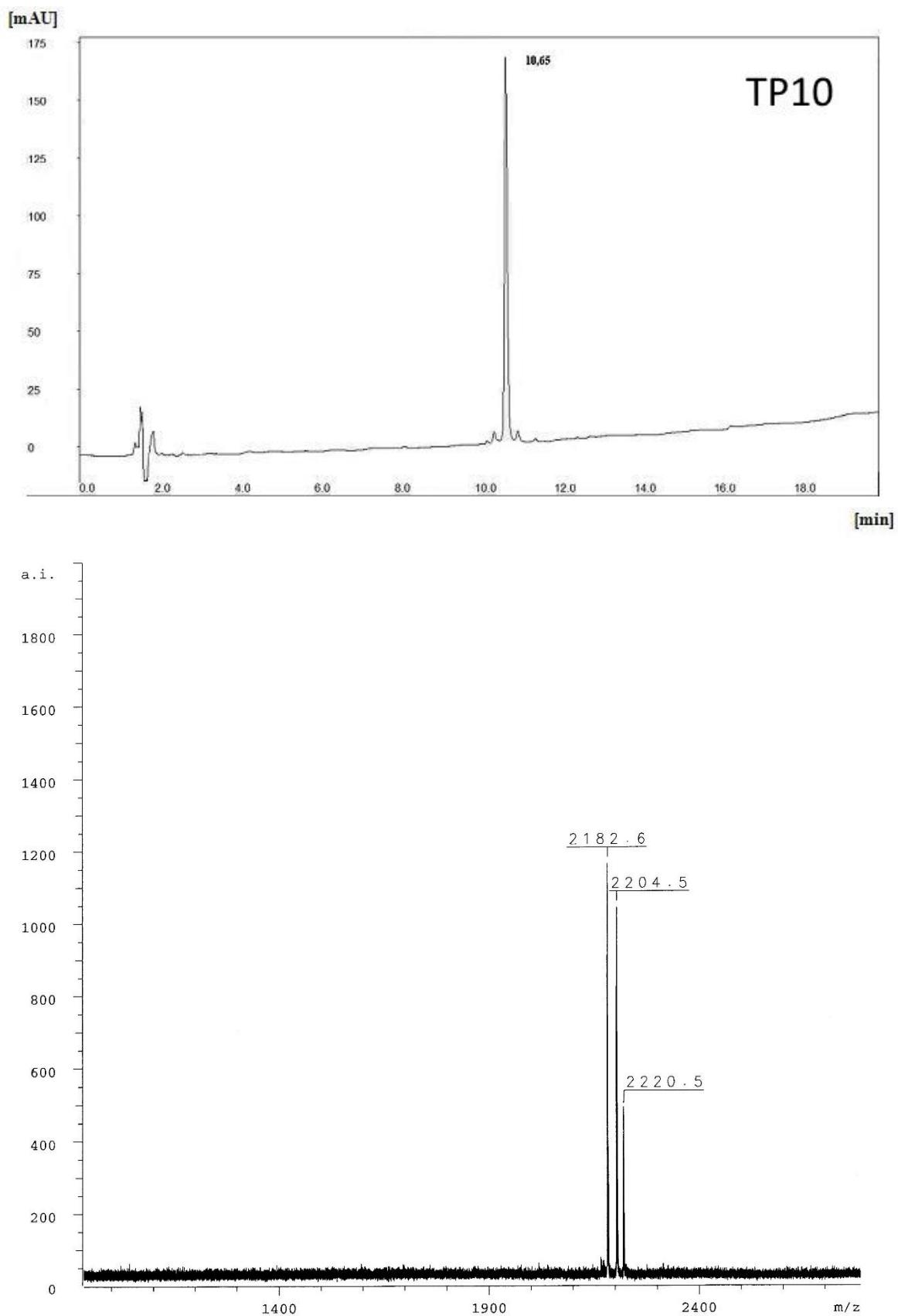


Figure S4. HPLC chromatogram (up) and MALDI-TOF mass spectrum (down) of TP10.

Table S1. Calculated and found molecular weight of synthesized peptides.

Peptide	Molecular weight	
	Calculated	Found
MP	1478.9	1479.1
retroMP	1478.9	1479.0
MP-retroMP	2940.9	2942.0
RIP	913.0	913.5
MP-RIP	2374.9	2375.0
RIP-MP	2374.9	2376.5
MP(4-14)	1138.5	1138.9
MP(4-14)-RIP	2034.5	2035.3
[Lys ² ,Ile ⁴]RIP	881.0	881.3
MP(4-14)-[Lys ² ,Ile ⁴]RIP	2002.5	2003.4
MP-[Lys ² ,Ile ⁴]RIP	2342.9	2343.7
[Lys ² ,Ile ⁴]RIP-MP	2342.9	2343.8
Galp	2809.4	2810.8
TP	2840.5	2040.8
TP10	2181.8	2182.6
TP10-RIP	3077.7	3078.8
TP10-[Lys ² ,Ile ⁴]RIP	3045.8	3046.3
[desLys ⁷]TP10-[Lys ² ,Ile ⁴]RIP	2917.6	2919.0
[Lys ⁷ (BnzAc)]TP10	2339.8	2340.0
[Lys ⁷ (NBnzAc)]TP10	2466.8	2467.0
[Lys ⁷ (PBnzAc)]TP10	2417.4	2418.8
[Lys ⁷ (ClBnzAc)]TP10	2450.4	2451.4