

Figure S1: $^1\text{H-NMR}$ (400M Hz, CDCl_3) of **2** and **3** in TDS.

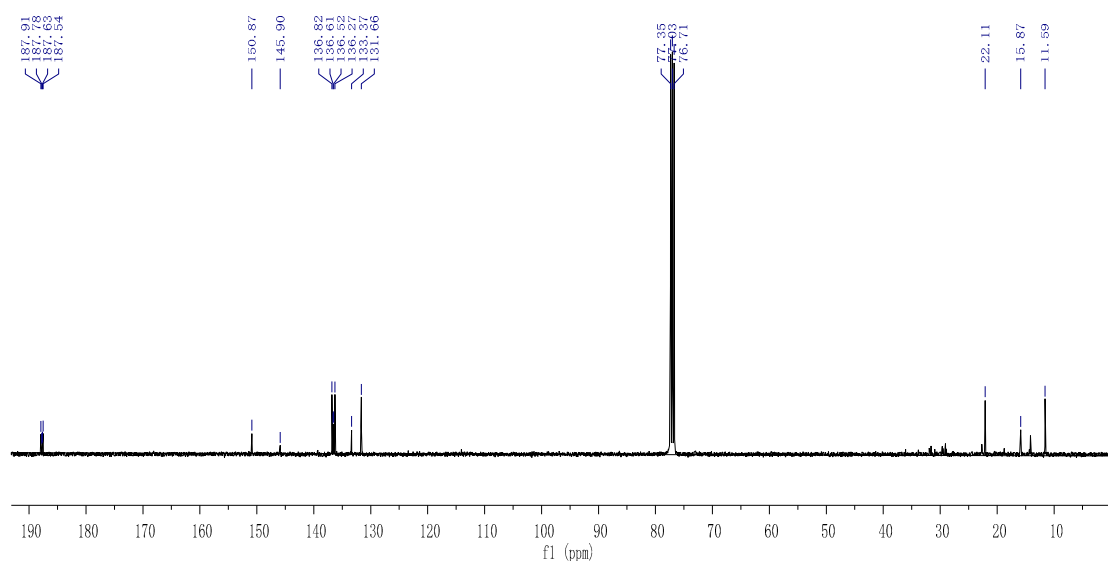


Figure S2: $^{13}\text{C-NMR}$ (100M Hz, CDCl_3) of **2** and **3** in TDS.

Table S1. Possible components in the volatile extract from insect body powder.

No.	Retention time (min)	Content (%)	Compound	Molecular formula	Molecular weight	Similarity
1	3.623	0.05	1-ethyl-2-methyl-benzene,	C_9H_{12}	120	95
2	4.052	0.09	mesitylene (1,3,5)	C_9H_{12}	120	95
3	5.066	0.04	1-methyl-3-(1-methylethyl)-benzene,	$\text{C}_{10}\text{H}_{14}$	134	95
4	6.925	0.07	3-phenylbut-1-ene	$\text{C}_{10}\text{H}_{12}$	132	90
5	7.199	0.08	not identified			
6	7.700	0.05	naphthalene	C_{10}H_8	128	94
7	7.783	0.06	not identified			

8	7.986	0.04	not identified			
9	10.132	1.79	1-tridecene	C ₁₃ H ₂₆	182	99
10	10.311	0.05	tridecane	C ₁₃ H ₂₈	184	96
11	12.230	0.08	3,7-dimethylnonane,	C ₁₂ H ₂₆	170	90
12	12.826	0.16	tetradecane	C ₁₄ H ₃₀	198	98
13	14.375	0.10	2,6,10-trimethyl-dodecane	C ₁₅ H ₃₂	212	90
14	15.317	0.15	pentadecane	C ₁₅ H ₃₂	212	97
15	15.937	0.05	methyl dodecanate	C ₁₃ H ₂₆ O ₂	214	98
16	20.085	0.04	heptadecane	C ₁₇ H ₃₆	240	95
17	20.705	0.86	methyl tetradecanoate	C ₁₅ H ₃₀ O ₂	242	99
18	22.219	0.19	ethyl tetradecanoate	C ₁₆ H ₃₂ O ₂	256	96
19	22.553	0.06	not identified			
20	22.910	0.21	methyl pentadecanoate	C ₁₆ H ₃₂ O ₂	256	99
21	24.293	0.09	not identified			
22	24.365	0.11	methyl 7,10-hexadecadienoate	C ₁₇ H ₃₀ O ₂	266	99
23	24.520	0.29	(Z)- methyl 7-hexadecenoate	C ₁₇ H ₃₂ O ₂	268	99
24	24.627	0.88	(Z)- methyl 9-Hexadecenoate	C ₁₇ H ₃₂ O ₂	268	99
25	25.271	15.17	methyl hexadecanoate	C ₁₇ H ₃₄ O ₂	270	98
26	25.461	0.04	not identified			
27	26.022	1.46	hexadecanoic acid	C ₁₆ H ₃₂ O ₂	256	98
28	26.498	3.78	ethyl hexadecanoate	C ₁₈ H ₃₆ O ₂	284	98
29	26.642	0.30	cis- methyl 10-heptadecenoate	C ₁₈ H ₃₄ O ₂	282	99
30	27.071	0.62	methyl heptadecanoate	C ₁₈ H ₃₆ O ₂	284	98
31	27.941	0.14	not identified			
32	28.823	33.27	(E)- methyl 9-octadecenoate	C ₁₉ H ₃₆ O ₂	296	99
33	29.216	8.16	methyl stearate	C ₁₉ H ₃₈ O ₂	298	99
34	29.455	2.13	2-methylpropyl hexadecanoate	C ₂₀ H ₄₀ O ₂	312	95
35	29.800	3.06	ethyl 9,12-octadecadienoate	C ₂₀ H ₃₆ O ₂	308	99
36	29.943	5.69	ethyl oleate	C ₂₀ H ₃₈ O ₂	310	99
37	30.182	0.55	butyl hexadecanoate	C ₂₀ H ₄₀ O ₂	312	99
38	30.337	1.42	ethyl octadecanoate	C ₂₀ H ₄₀ O ₂	312	99
39	30.504	0.13	not identified			
40	30.623	0.10	not identified			
41	30.837	0.07	isopropyl stearate	C ₂₁ H ₄₂ O ₂	326	98
42	30.897	0.12	methyl nonadecanoate	C ₂₀ H ₄₀ O ₂	312	99
43	31.302	0.34	not identified			
44	31.517	2.08	n-propyl 9,12-octadecadienoate	C ₂₁ H ₃₈ O ₂	322	98
45	31.648	3.93	n-propyl 11-octadecenoate	C ₂₁ H ₄₀ O ₂	324	93
46	31.898	0.09	not identified			
47	32.065	1.21	propyl octadecanoate	C ₂₁ H ₄₂ O ₂	326	95
48	32.184	1.17	(E)-6-octadecenoic acid	C ₁₈ H ₃₄ O ₂	282	97
49	32.459	0.62	(Z,Z)-9,12-octadecadienoic acid	C ₁₈ H ₃₂ O ₂	280	94
50	32.566	1.46	not identified			
51	32.697	0.98	methyl eicosanoate	C ₂₁ H ₄₂ O ₂	326	99

52	32.983	0.31	2-methylpropyl octadecanoate	C ₂₂ H ₄₄ O ₂	340	91
53	33.174	0.44	butyl 9,12-octadecadienoate	C ₂₂ H ₄₀ O ₂	336	99
54	33.269	0.76	not identified			
55	33.412	0.05	not identified			
56	33.555	0.22	(E)-9-octadecenoic acid	C ₁₈ H ₃₄ O ₂	282	90
57	33.675	0.26	not identified			
58	33.806	0.10	ethyl 15-methyl-hexadecanoate	C ₁₉ H ₃₈ O ₂	298	90
59	34.247	0.25	not identified			
60	34.330	0.50	not identified			
61	34.735	0.13	not identified			
62	34.867	0.21	iso-propyl 9-octadecenoate	C ₂₁ H ₄₀ O ₂	324	91
63	35.057	0.05	tricosane	C ₂₃ H ₄₈	324	94
64	35.415	0.04	not identified			
65	35.701	0.06	not identified			
66	35.534	0.58	pentacosane	C ₂₅ H ₅₂	352	96
67	36.023	0.25	methyl docosanoate	C ₂₃ H ₄₆ O ₂	354	99
68	36.559	0.26	9-methyl nonadecane	C ₂₀ H ₄₂	282	93
69	36.714	0.67	9-octyl heptadecane	C ₂₅ H ₅₂	352	94
70	37.108	0.18	heneicosane	C ₂₁ H ₄₄	296	96
71	38.133	0.04	eicosane	C ₂₀ H ₄₂	282	96
72	38.252	0.13	methyl 5,13-docosadienoate	C ₂₃ H ₄₂ O ₂	350	93
73	38.645	0.25	tetracosane	C ₂₄ H ₅₀	338	98
74	39.134	0.07	methyl heneicosanoate	C ₂₂ H ₄₄ O ₂	340	91
75	39.611	0.20	octacosane	C ₂₈ H ₅₈	394	94
76	39.742	0.26	2-methyl tricosane	C ₂₄ H ₅₀	338	91
77	41.709	0.05	not identified			
	Total	100.00				
	Total identified	95.27				
