

Table 1 Adulticidal activities of dillapiol (1) and derivatives of dillapiol against *Aedes aegypti* adult females after 90 mins of exposure.

No.	LC ₅₀ (CI) µg/cm ²	LC ₉₀ (CI) µg/cm ²	Slope ± 100	SD	Chi-square χ ²	LC ₅₀ (CI) nmol/cm ²	LC ₉₀ (CI) nmol/cm ²
1	0.381 (0.319~0.442)	0.575 (0.514~0.636)	7.2 ± 0.7	0.3	32.1	1.72 (1.437-1.991)	2.59 (1.085-1.459)
2	0.136 (0.087~0.167)	0.274 (0.241~0.324)	4.2 ± 1.0	0.6	1.3	0.61 (0.391-0.752)	1.23 (1.09-1.46)
3	0.295 (0.264~0.326)	0.457 (0.409~0.531)	6.8 ± 0.8	0.4	0.9	1.16 (1.04-1.28)	1.80 (1.61-2.09)
4	0.618 (0.546~0.709)	0.845 (0.729~1.234)	9.4 ± 1.4	0.3	2.7	2.31 (2.04-2.65)	3.15 (2.72-4.60)
5	0.438 (0.316~0.604)	1.065 (0.723~3.555)	3.3 ± 0.4	0.2	3.3	1.55 (1.12-2.14)	3.78 (2.56-12.60)
6	0.315 (0.254~0.377)	0.699 (0.638~0.761)	3.7 ± 0.5	0.2	7.8	1.06 (0.857-1.27)	2.36 (2.153-2.56)
8	0.531 (0.443~0.635)	1.855 (1.269~3.835)	2.3 ± 0.5	0.2	1.0	2.23 (1.86-2.67)	7.79 (5.33-16.11)
10	1.177 (0.822~3.038)	6.600 (2.703~88.52)	1.7 ± 0.5	0.2	0.01	3.98 (2.78-10.26)	22.30 (9.13-29.90)
*Ctrl	0.494** (0.443~0.549)	0.876** (0.761~1.069)	5.2 ± 0.7	0.2	2.9	1.19*** (1.06~1.31)	2.10*** (1.83~2.57)

Note: LC₅₀ = Lethal concentration at which 50% of mosquitoes were killed. LC₉₀ = Lethal concentration at which 90% of mosquitoes were killed. CL = confidence limits at 90% probability. *Control = α-cypermethrin, **ng/cm², ***pmol/cm². Values are the mean of four replicates with ± (SEM) standard error.