Table 4 Log probit and regression analyses of larvicidal activity of etanol leaf extract of *A. reticulata* against different larval instars of *Cx. quinquefasciatus*

Larval instar	Exposure period (h)	LC$_{50}$ (ppm)	LC$_{90}$ (ppm)	Regression equation	R^2 value
1st	24	0.5021	2.0977	Y = 89.3157 +.7428 X	0.6111
	48	0.5300	1.9153	Y = 90.7165 +.6520 X	0.6111
	72	-	-	-	-
	24	2.9374	7.43	Y = 32.8936 + 4.4983X	0.7628
2nd	48	1.2057	4.0729	Y = 71.6242 + 1.9392X	0.6286
	72	0.6295	2.2741	Y = 87.6987 +.8602 X	0.5878
3rd	24	4.2048	9.2481	Y = 13.379 +5.6732 X	0.8542
	48	1.728	4.1812	Y = 61.6924 + 2.671X	0.5618
	72	1.0528	2.887	Y = 79.8209 +1.4211 X	0.5383
	24	6.2245	15.8776	Y = - 0.3996 +5.8925 X	0.9800
4th	48	3.6999	10.488	Y = 22.9820 +4.8988 X	0.8850
	72	2.3474	5.5919	Y = 46.0531 + 3.6969X	0.6488

Note LC = Lethal Concentration, X= Concentration, Y= mortality, R2 = Coefficient of determination. First instar larvae showed 100% mortality at 72 h of exposure with all tested concentrations, hence , no LC$_{50,}$ LC$_{90}$, values, Regression equation and R^2 value were obtained