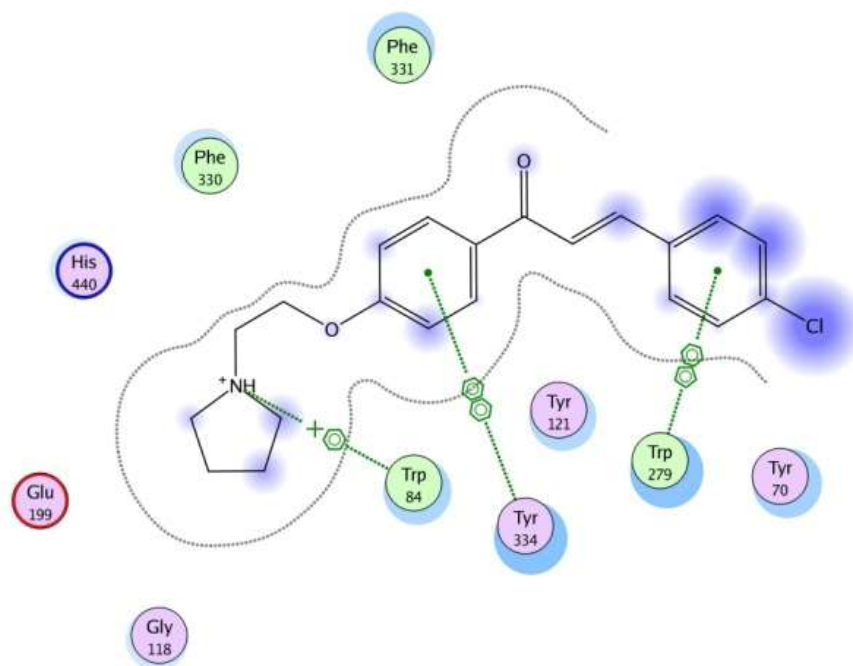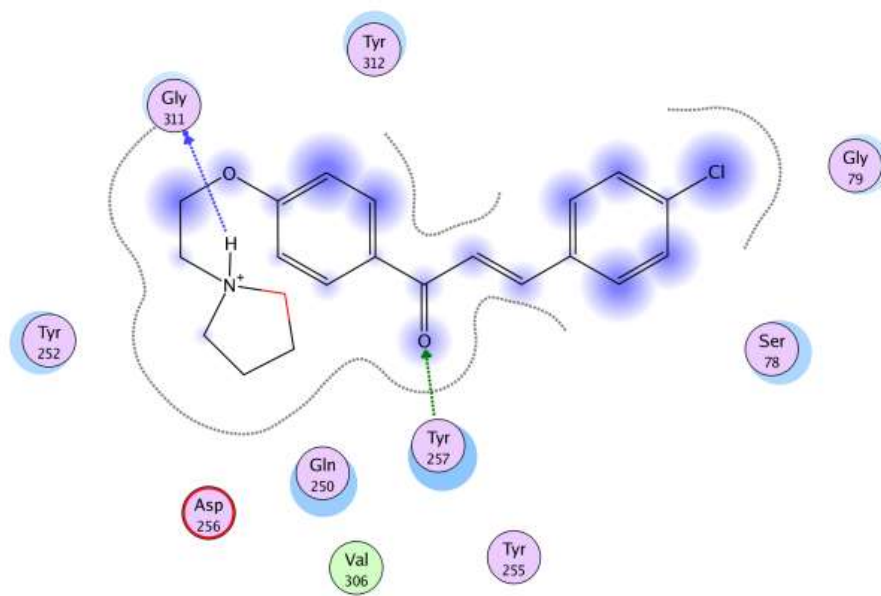**Figure 1** Lineaweaver-Burk plot for the inhibition of AChE by compound 4l.

Table 2 Kinetic parameters of AChE inhibition by compound 4l.

/μM	Michaelis-Menten equation	K_m/mM	V_{max}/ΔAmin^{-1}	Ki/μM	Ki'/μM
0	$1/v=113.00/[S]+33.34$	3.390	0.0300		
0.22	$1/v=177.18/[S]+36.64$	4.835	0.0273	0.38	2.95
0.43	$1/v=266.93/[S]+37.96$	7.032	0.0263		
0.86	$1/v=374.01/[S]+43.44$	8.610	0.0230		

A

B

Figure 2 Molecular modeling of compound 4l with AChE (A) and BuChE (B) generated with MOE2008.