

5.1 Conclusion

In this project, the two compounds, ellagic acid and gallic acid, extracts of *Quercus Infectoria* were found to be strongly effective compounds against DENV type-2 protease at a low concentration (100ppm) when compared to the other studies. Both compounds showed a non-comparative inhibitory action against DENV-2 NS2B/NS3 protease with K_i value of 58.64 – 72.62 μ M respectively.