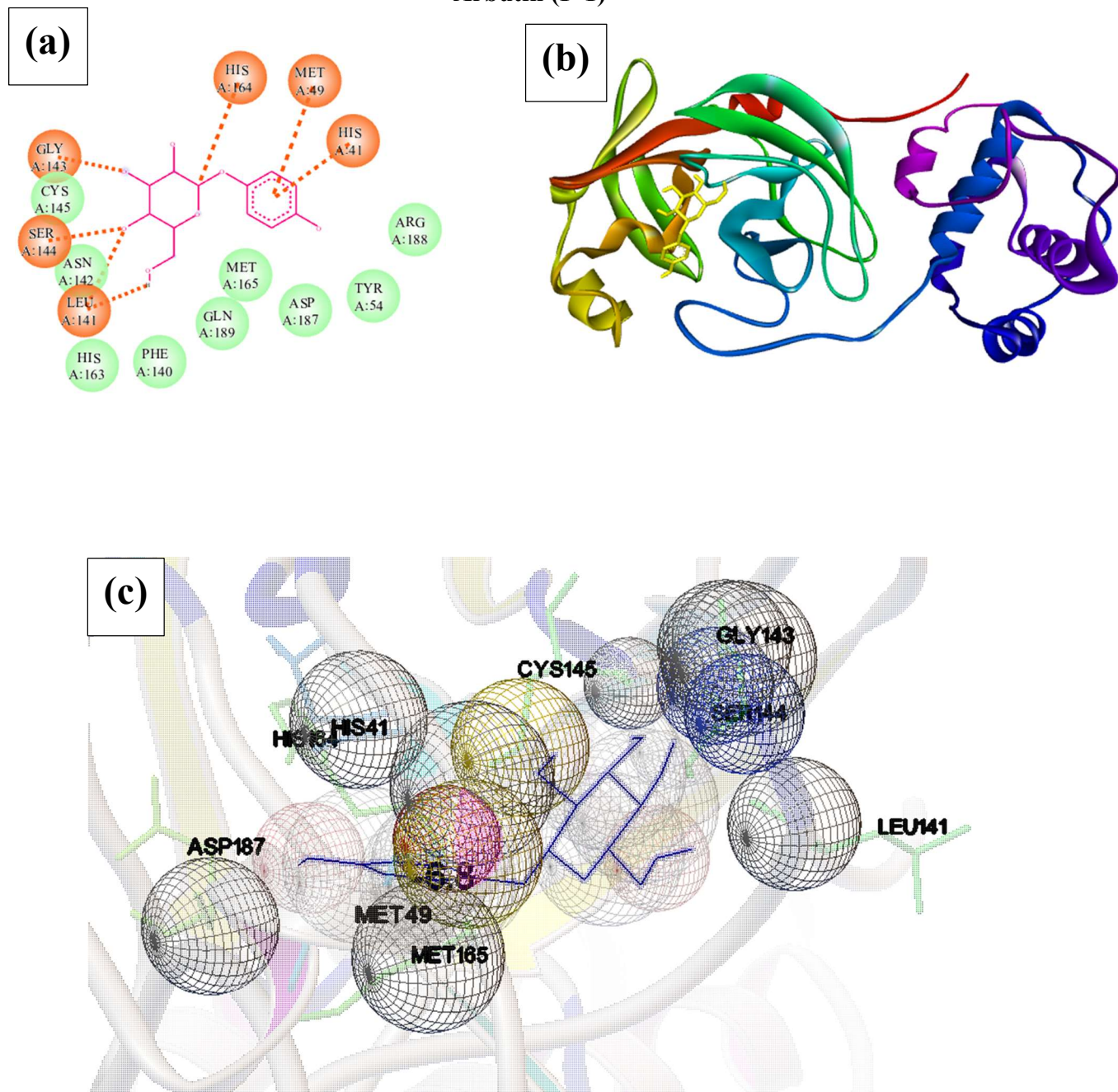


Supporting information

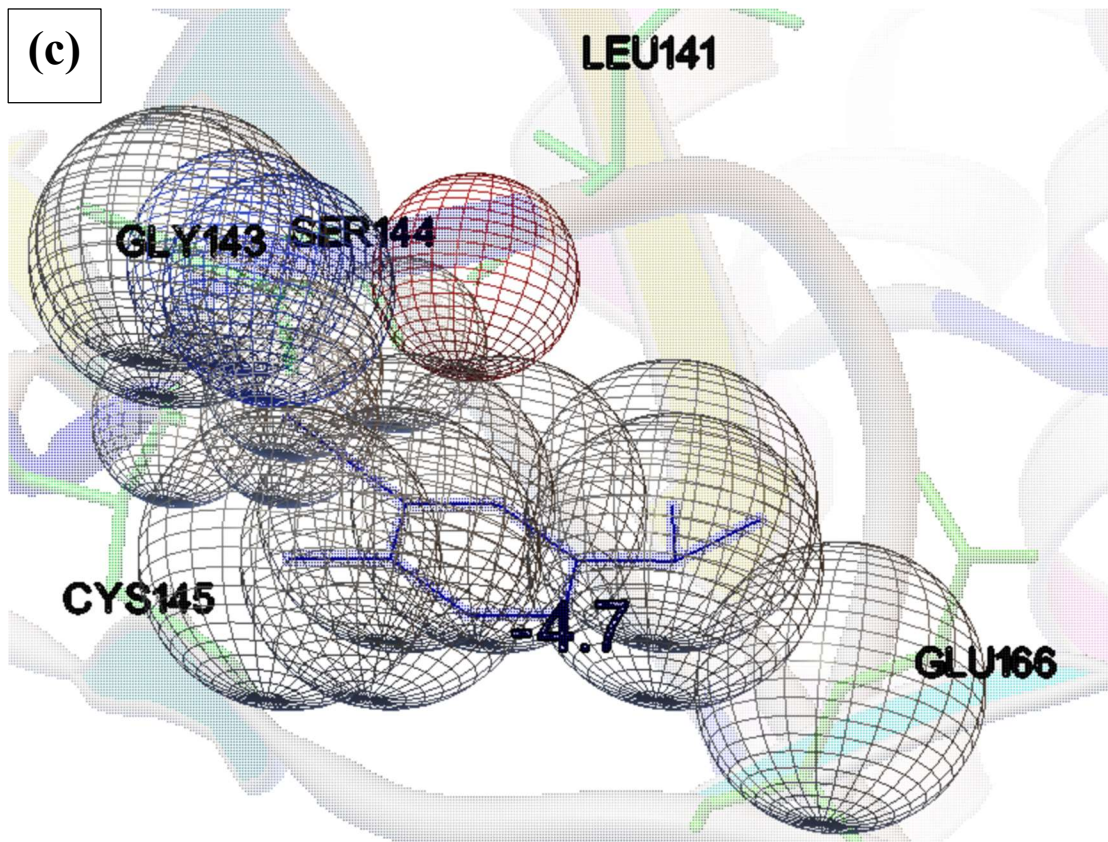
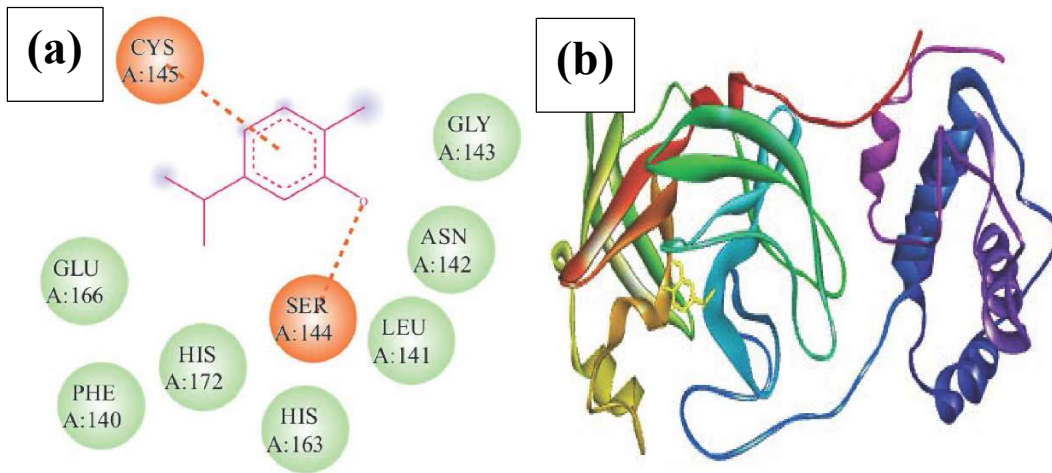
for

SAR, Molecular Docking and Molecular Dynamic Simulation of Natural inhibitors against SARS-CoV-19 Mpro spike protein

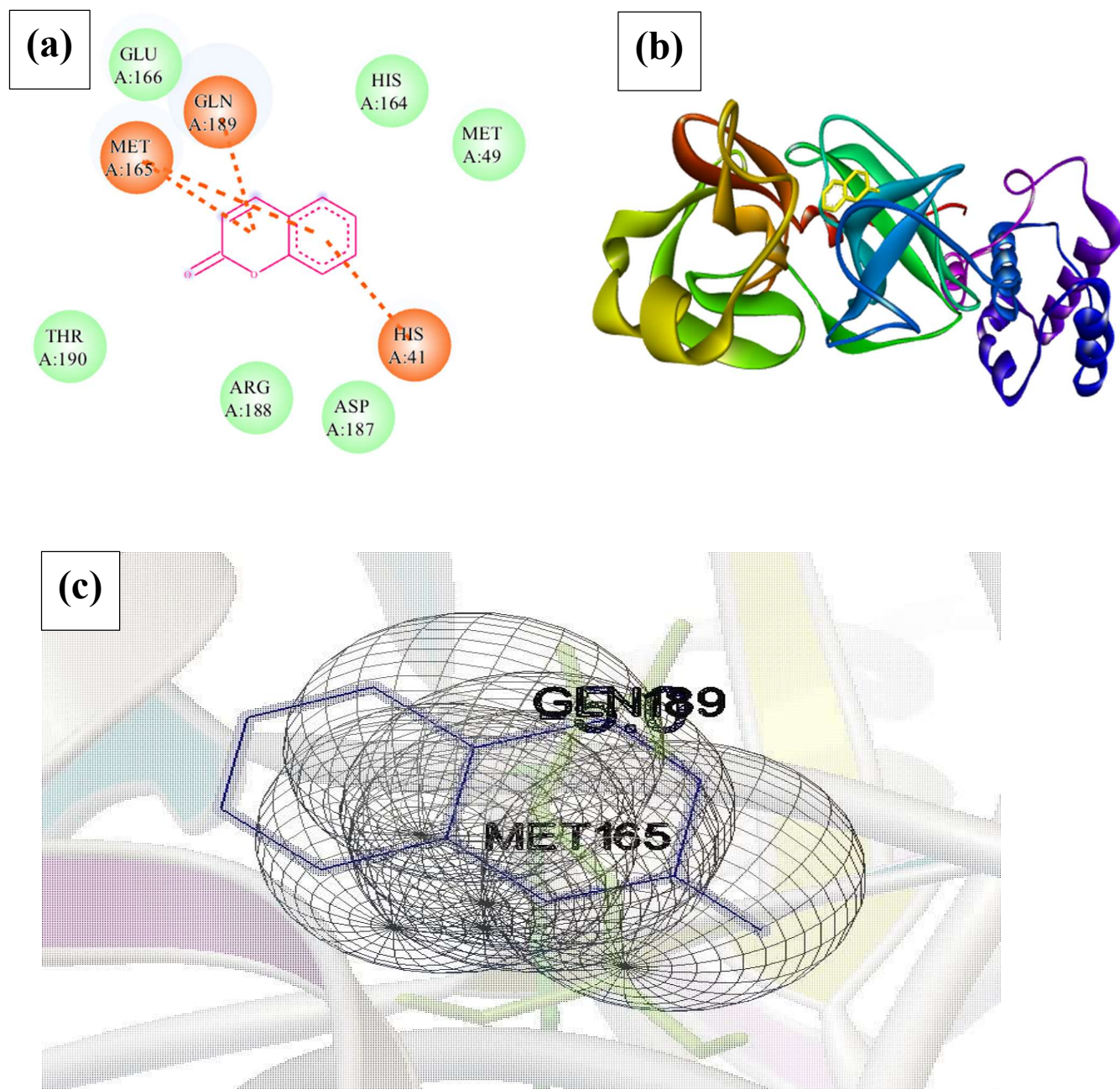
Arbutin (P-1)



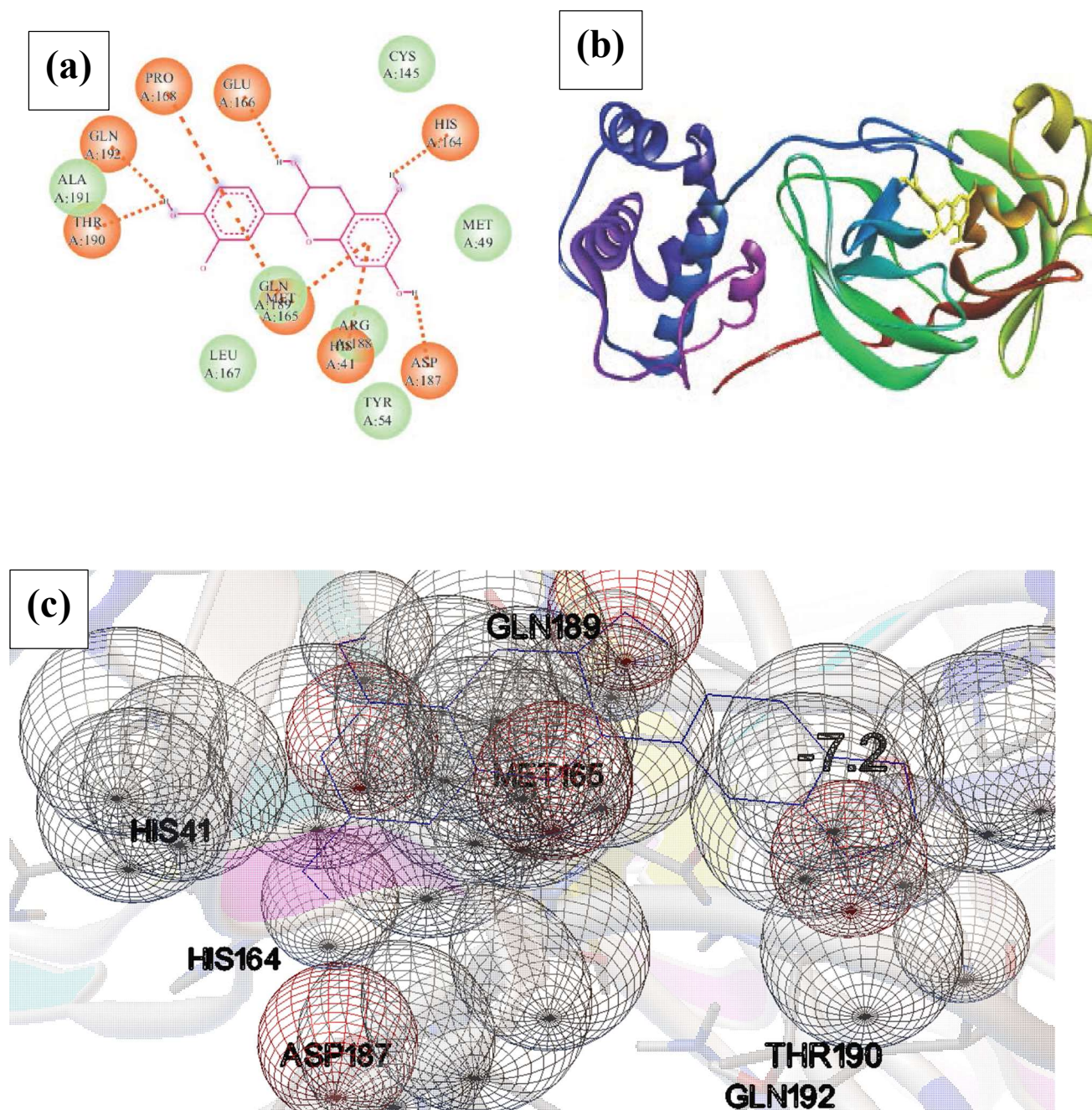
Carvacrol P-2



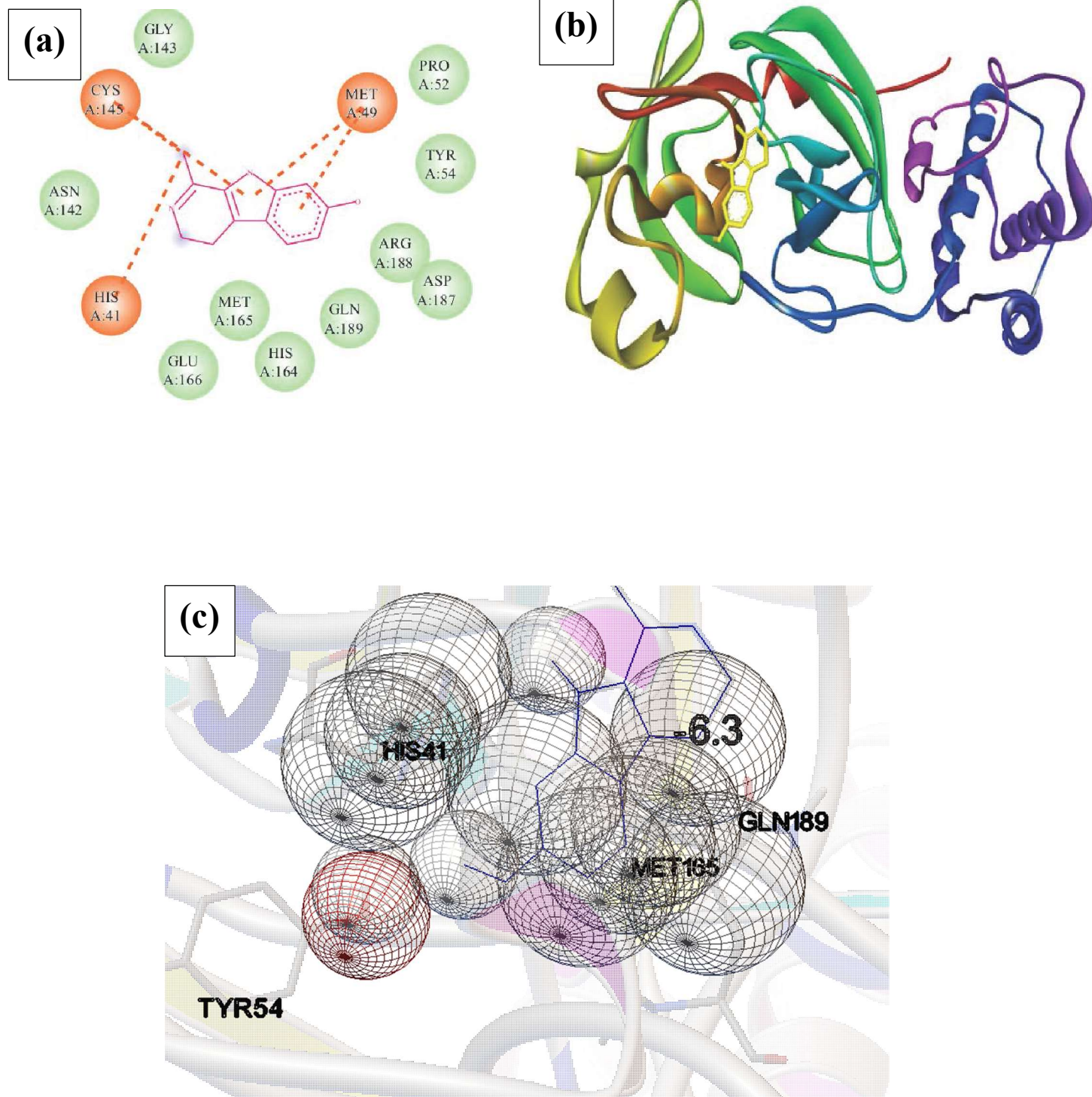
Coumarin P-3



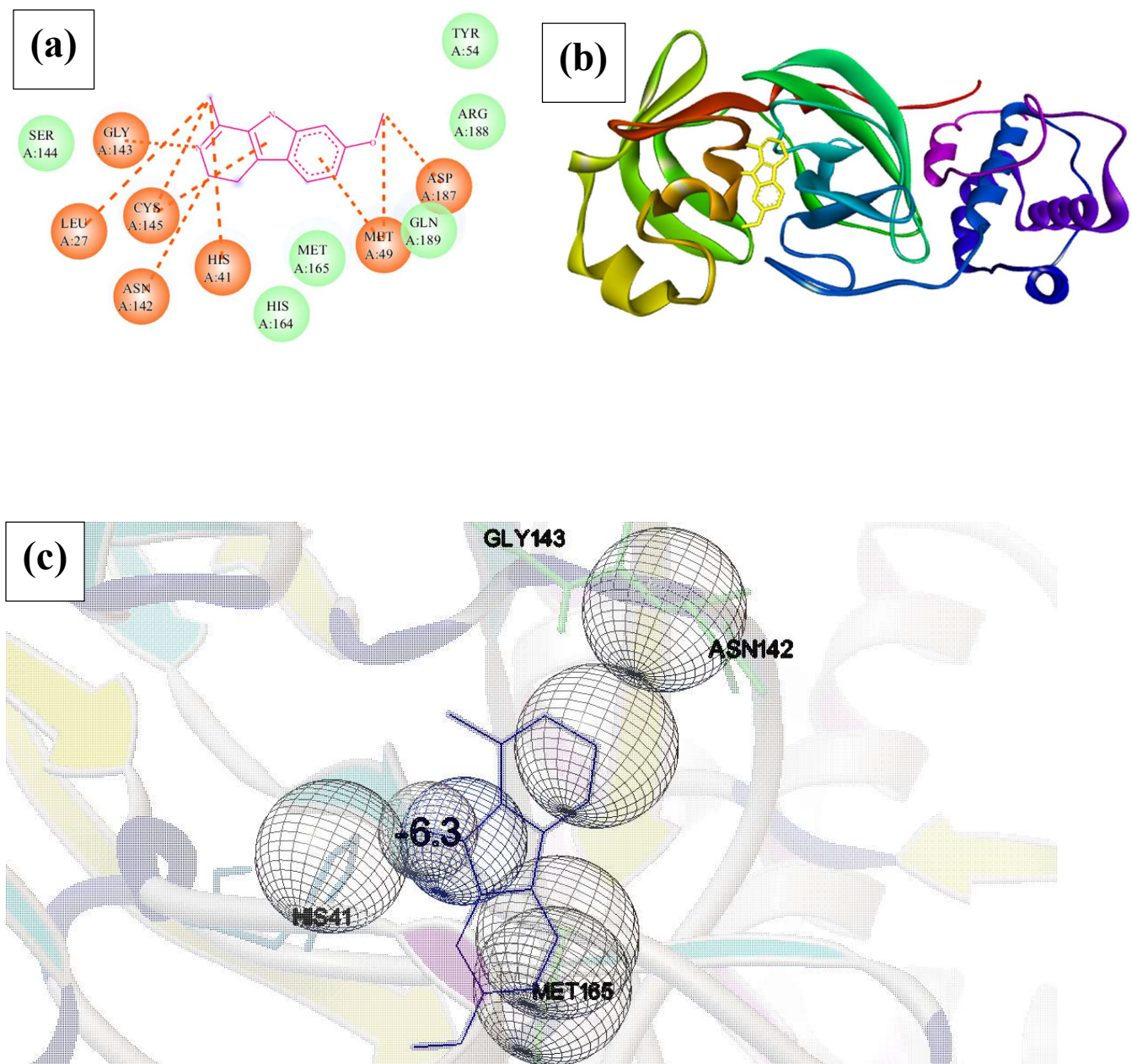
Catechin P-4



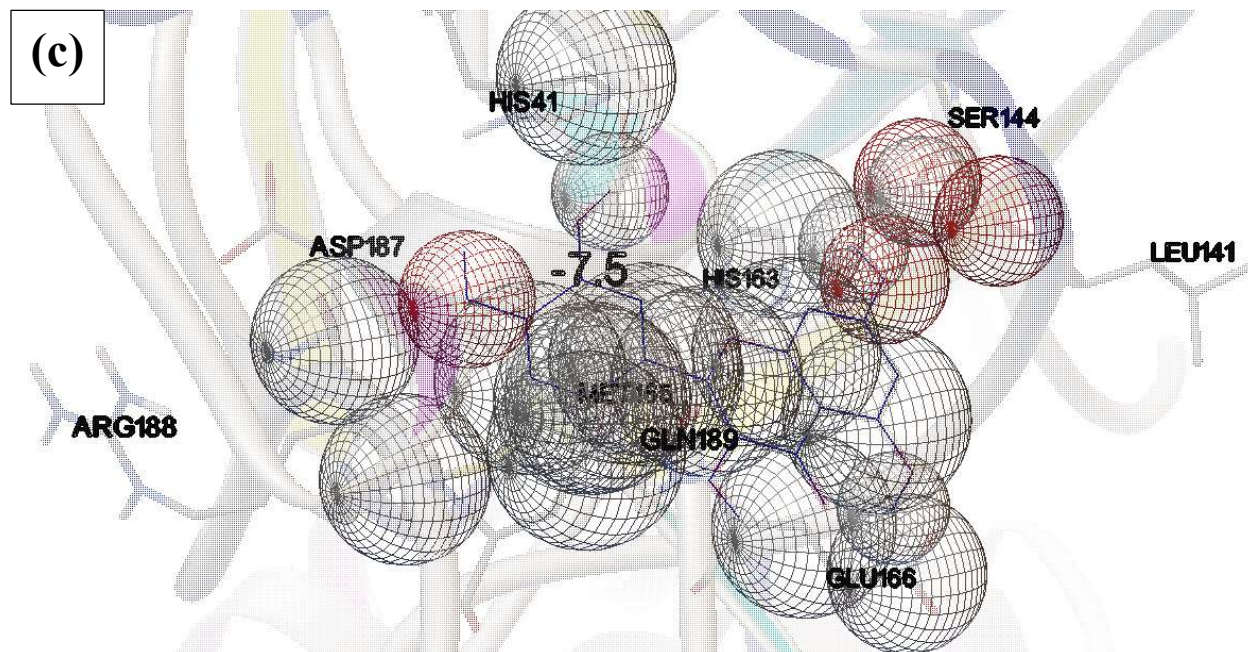
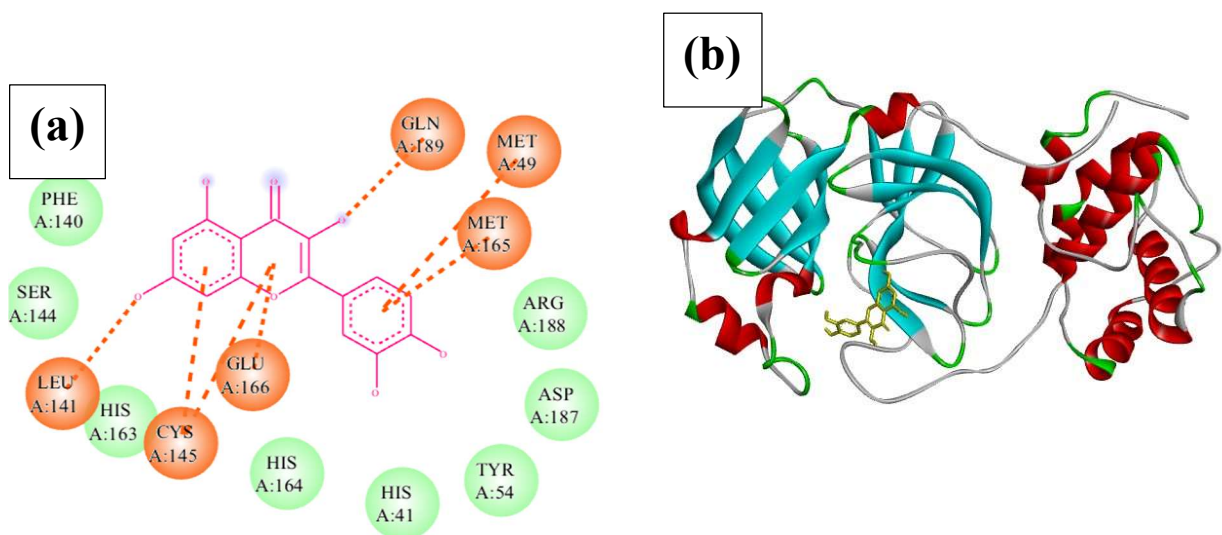
Harmalol P-5



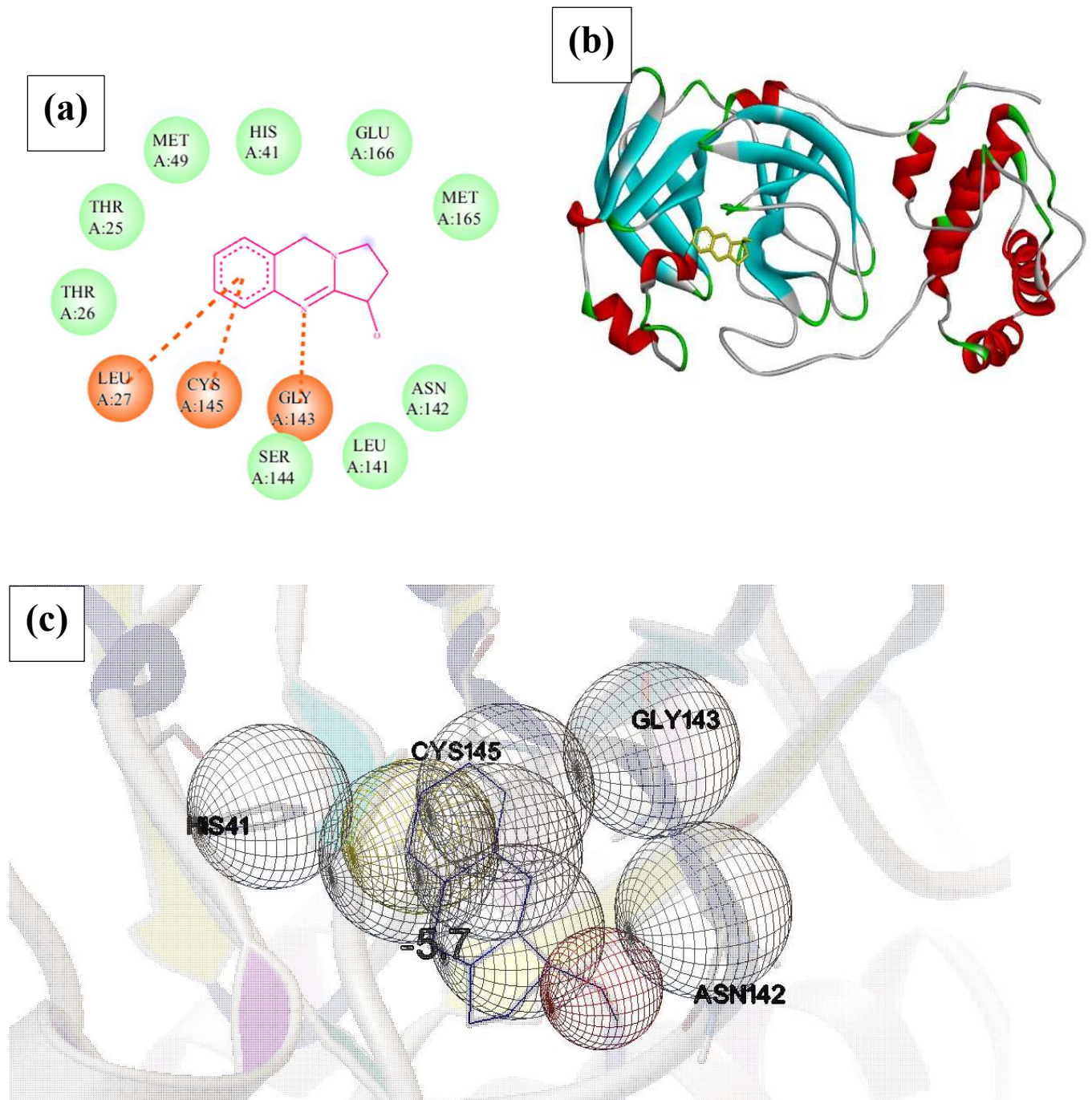
Harmaline P-6



Quercetin P-8



Vasicine P-9



Vasicinone P-10

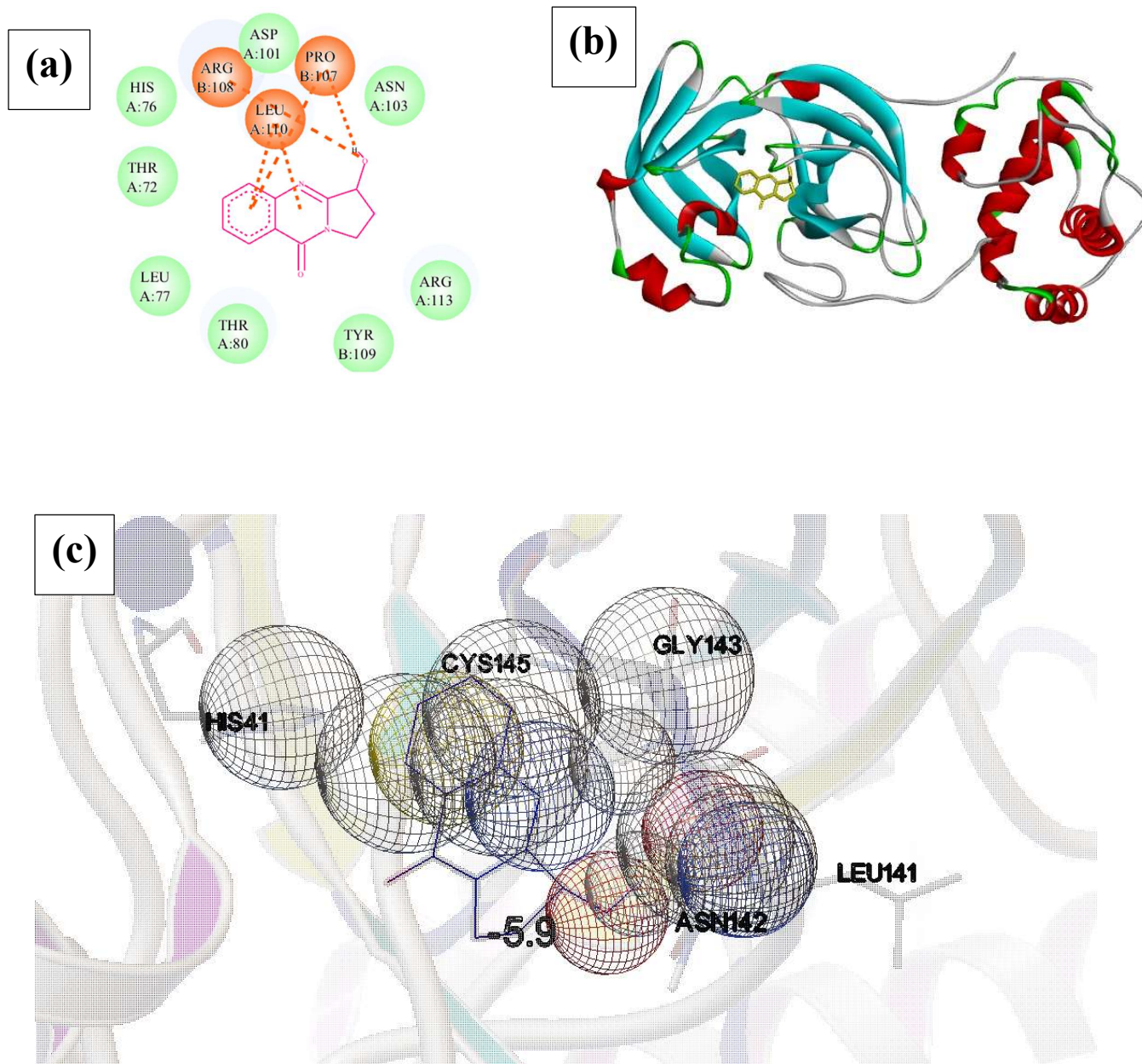


Fig. SI. 1: Two-dimensional (a), three-dimensional (b) and residue interactions analysis (c) based structures of **P-1** to **P-10** complexes except for **P7-6LU7** complex.