

Supporting Information

Rec. Nat. Prod. 20:1 (2026):e25083616

Cytotoxic activities and *in silico* study of carbazole alkaloids isolated from *Murraya koenigii* against HL-60 and HeLa cancer cell lines

Ying-Xin Chew¹, Mohd Azlan Nafiah² and Siow-Ping Tan^{1*}

¹*Department of Physical Sciences, Faculty of Applied Sciences, Tunku Abdul Rahman University of Management and Technology, 53300 Kuala Lumpur, Malaysia*

²*Department of Chemistry, Faculty of Science and Mathematics, Universiti Pendidikan Sultan Idris, 39500 Tanjong Malim, Perak, Malaysia*

Table of Contents	Page
Figure S1: The superimposed image of the docked ligand with the native ligand (ABT-737)	2
Figure S2: Docking poses of 24 screened carbazole alkaloids in the active site of anti-apoptotic protein Bcl-2 (PDB ID: 2W3L)	2

Figure S1. The superimposed image of the docked ligand with the native ligand (ABT-737).

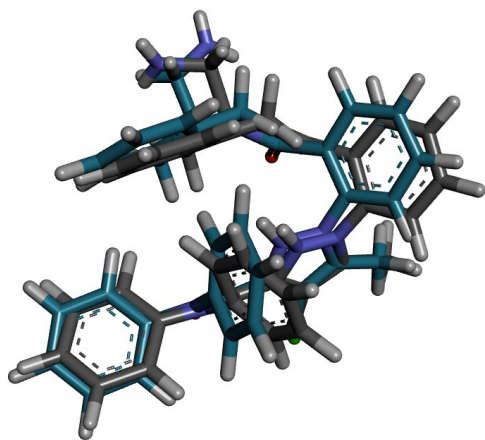
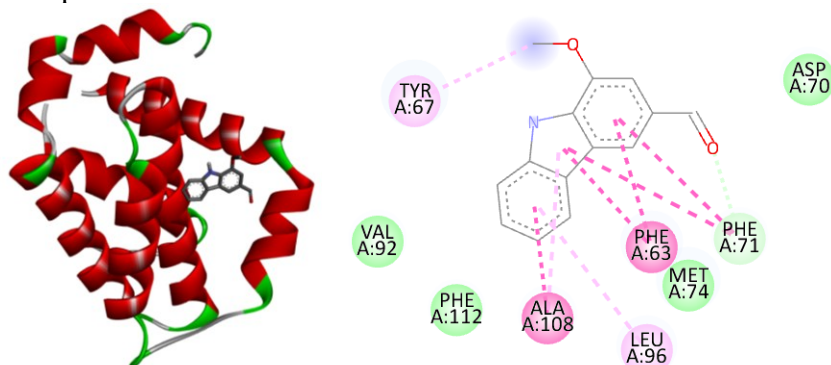
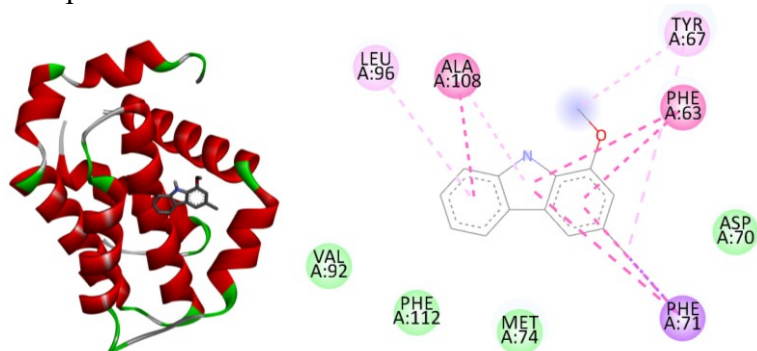


Figure S2. Docking poses of 24 screened carbazole alkaloids in the active site of anti-apoptotic protein Bcl-2 (PDB ID: 2W3L).

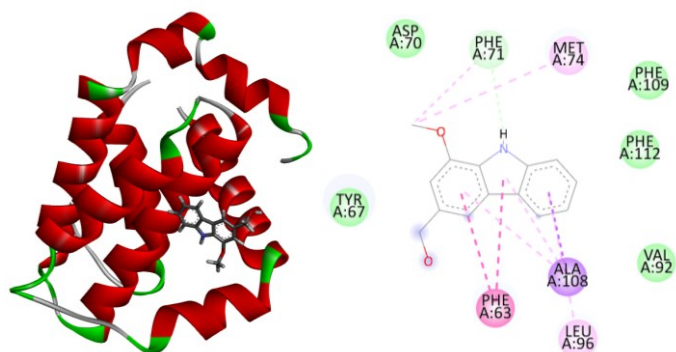
Compound 1



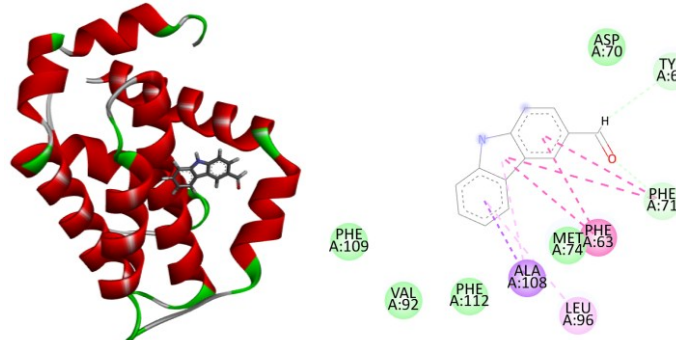
Compound 2



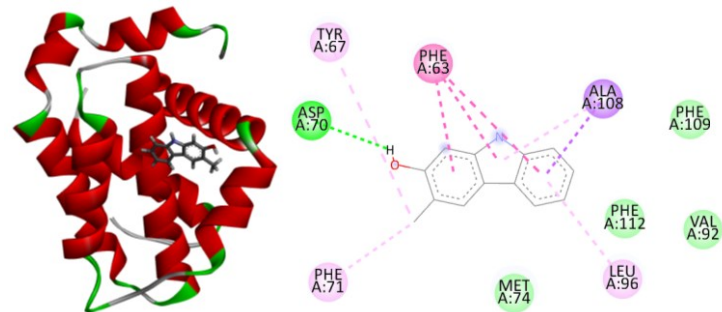
Compound 3



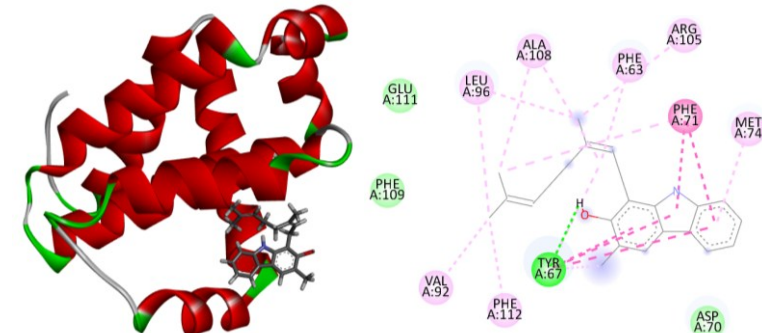
Compound 4



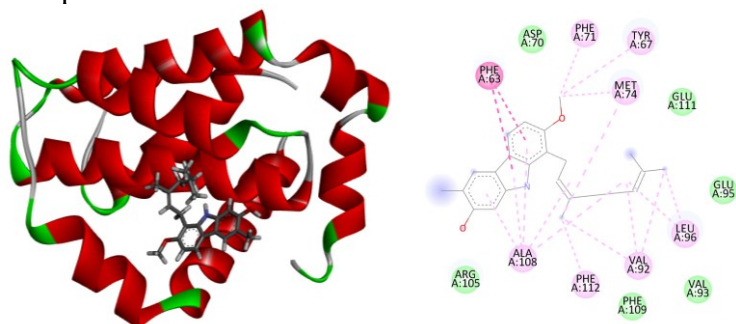
Compound 5



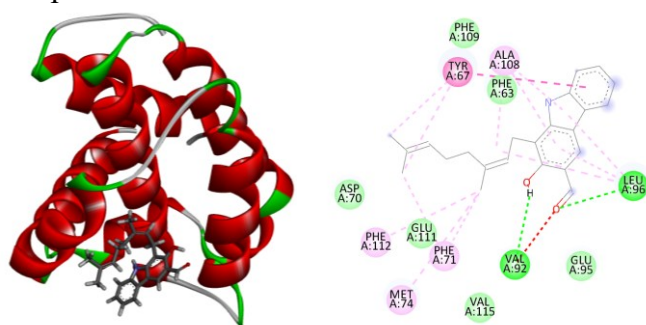
Compound 6



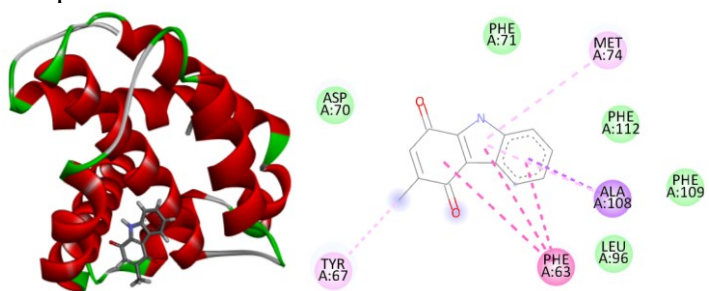
Compound 7



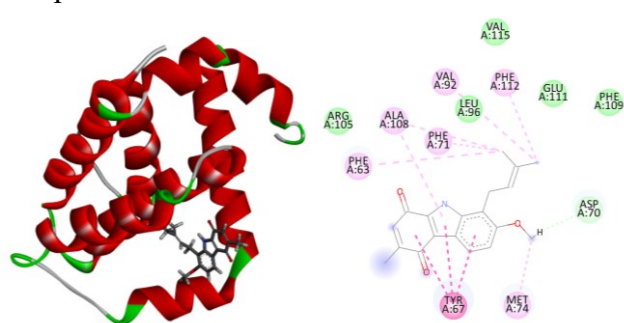
Compound 8



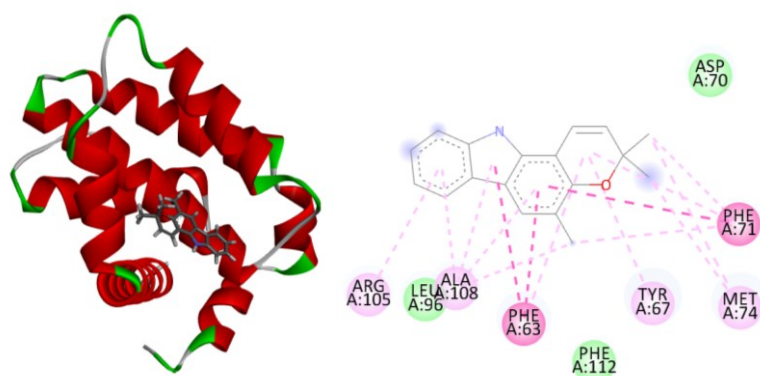
Compound 9



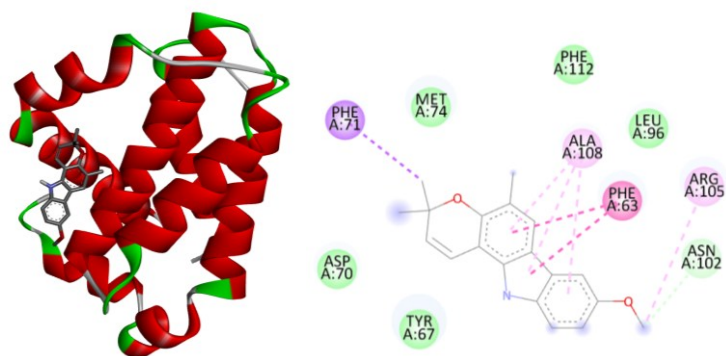
Compound 10



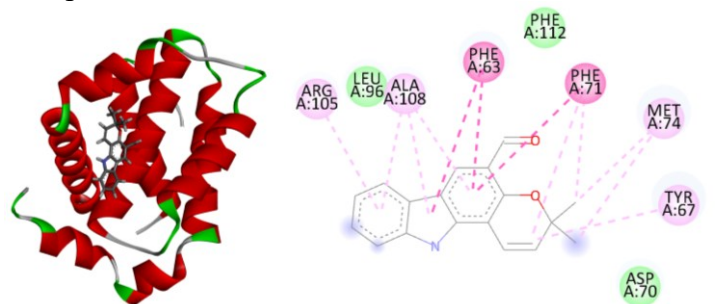
Compound 11



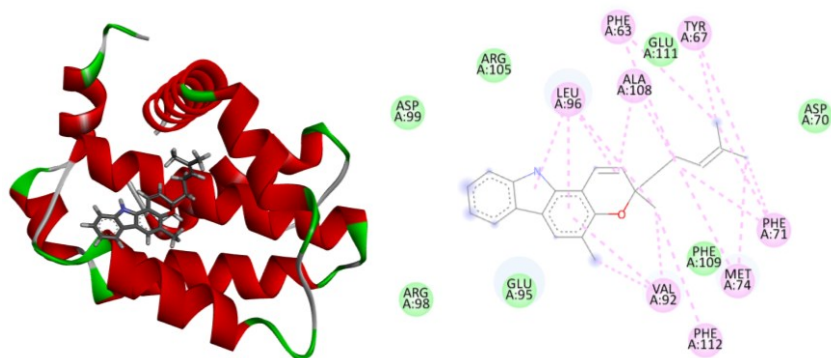
Compound 12



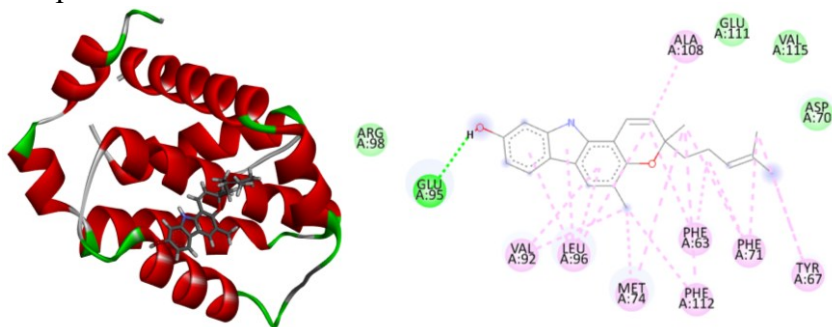
Compound 13



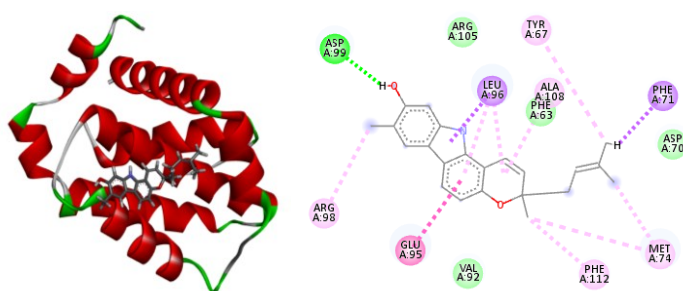
Compound 14



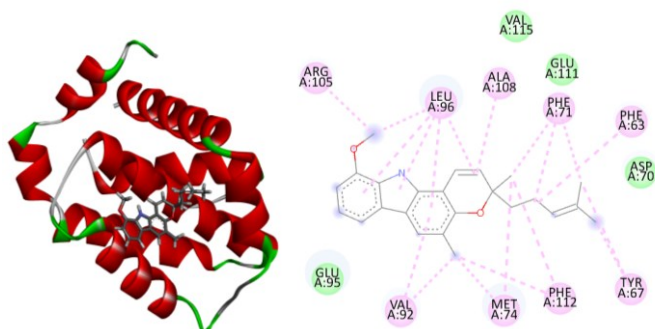
Compound 15



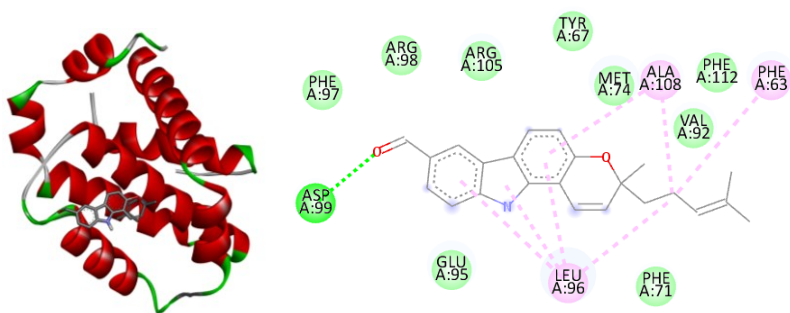
Compound 16



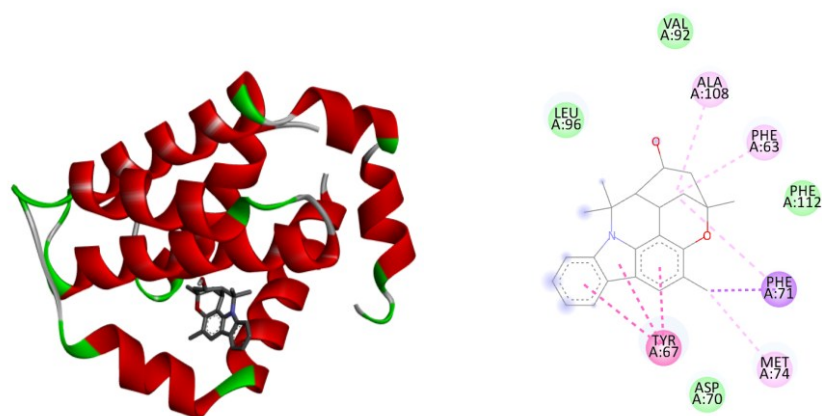
Compound 17



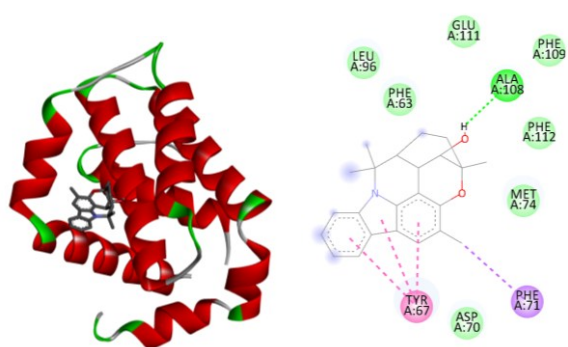
Compound 18



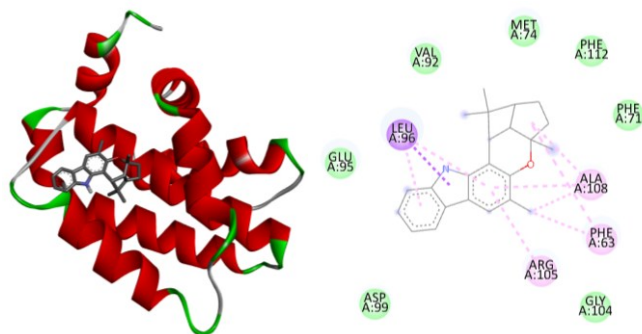
Compound 19



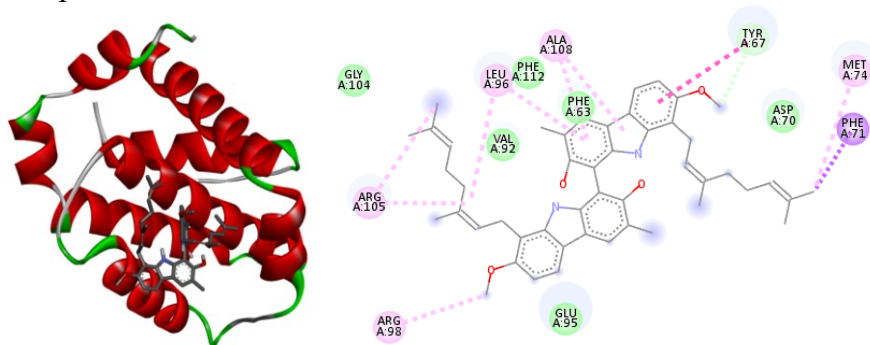
Compound 20



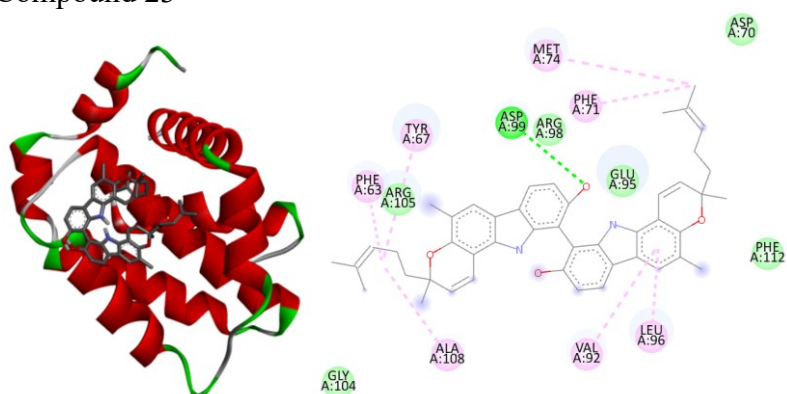
Compound 21



Compound 22



Compound 23



Compound 24

