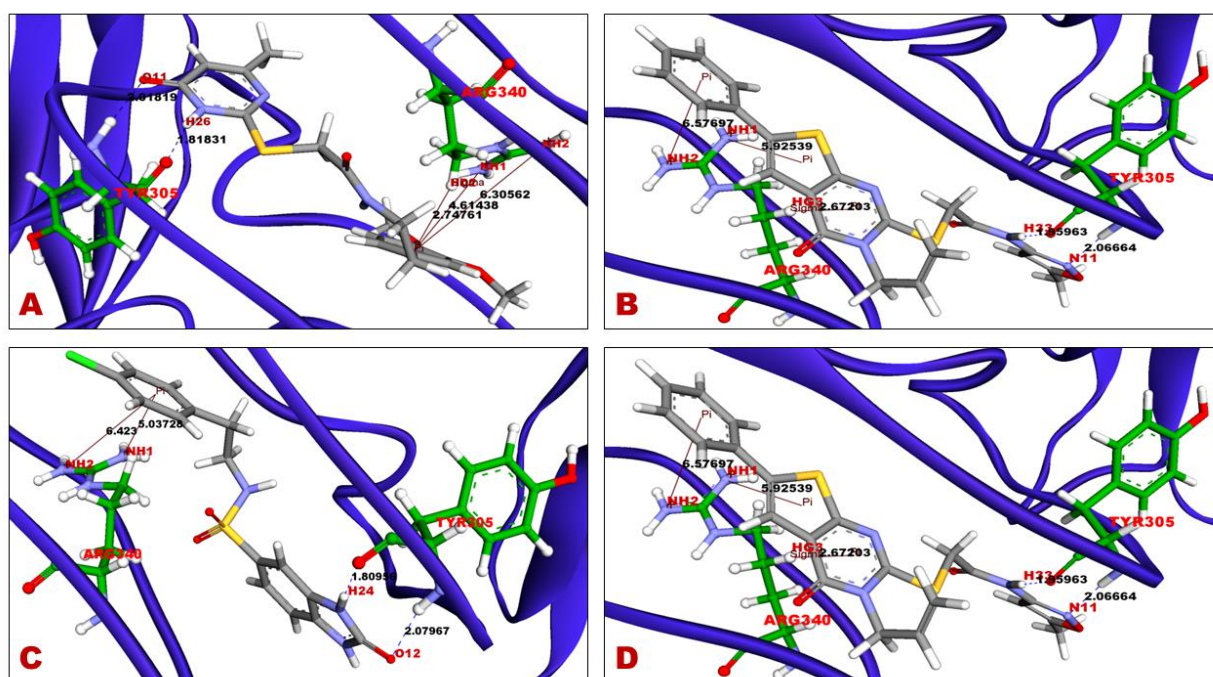


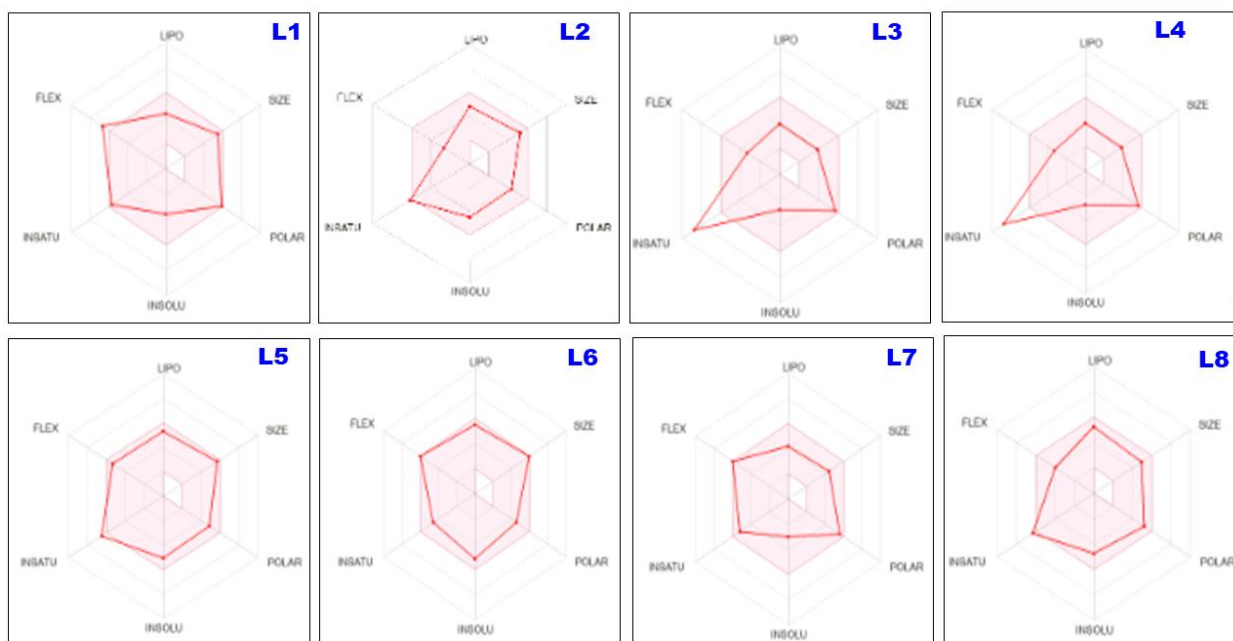
### SUPPLEMENTARY FIGURES S1–S3 AND TABLE S1



**Fig. S1.** Compatibility of PDGF-C protein model (3D) with its own amino acid sequence (1D) using Verify3D.



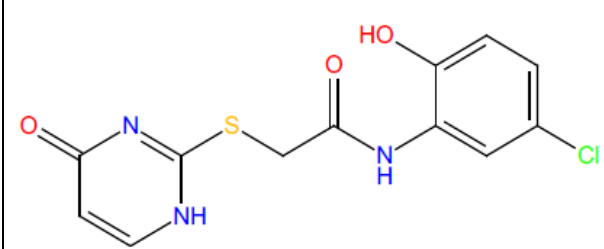
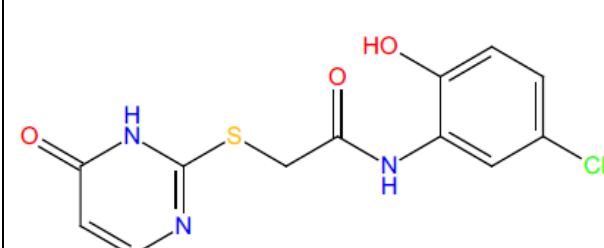
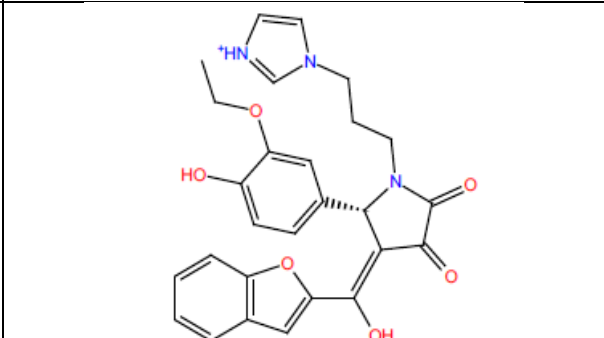
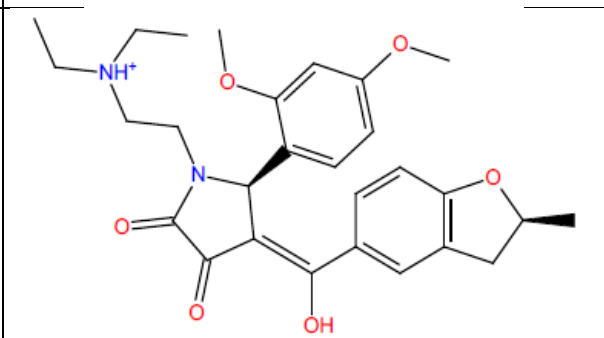
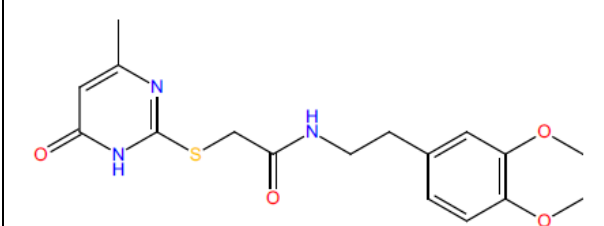
**Fig. S2.** Binding poses of ligands with PDGF-C protein. Schematic representation of poses of the ligands (A-D) (shown in grey colour sticks), bound to the PDGF-C protein amino acid residues (shown in green color ball and sticks), forming H-bonds,  $\pi$ - $\pi$  and  $\pi$ -cation interactions are represented in blue dotted and brown lines respectively.

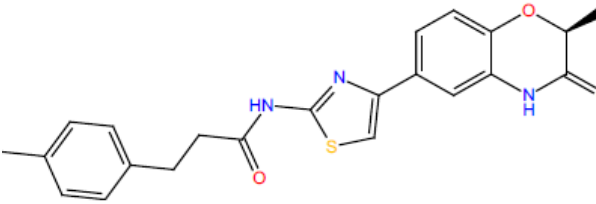
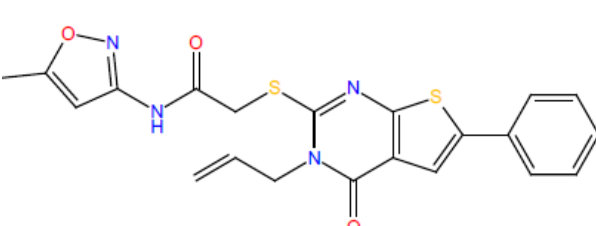
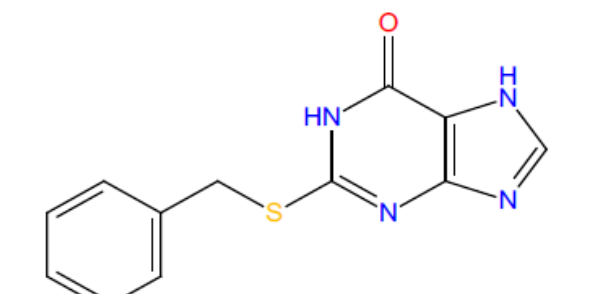
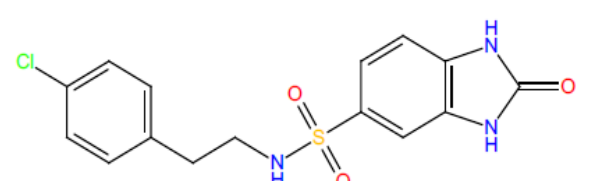


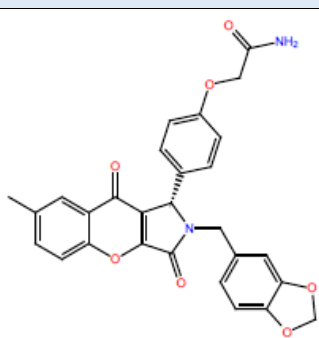
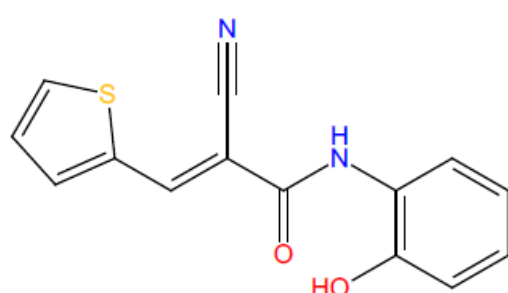
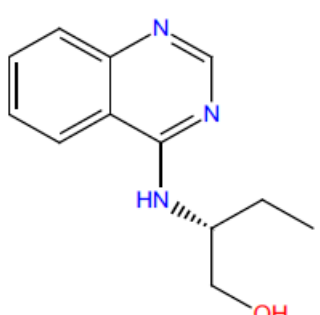
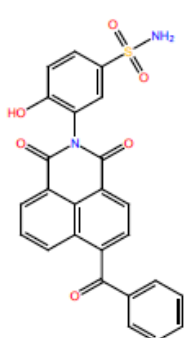
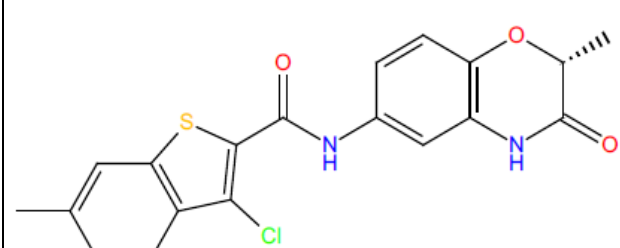
**Fig. S3.** Bioavailability radar plots. The bioavailability plot considers six physicochemical properties: lipophilicity, size, polarity, solubility, flexibility, and saturation.

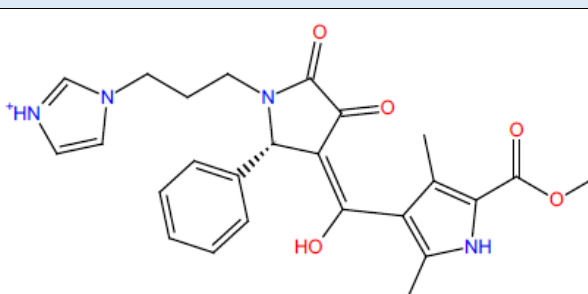
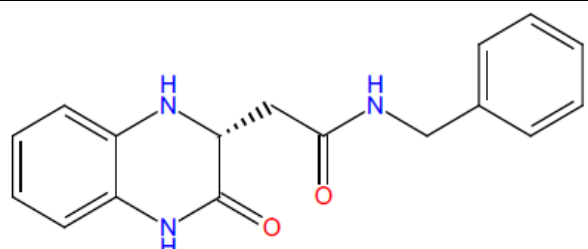
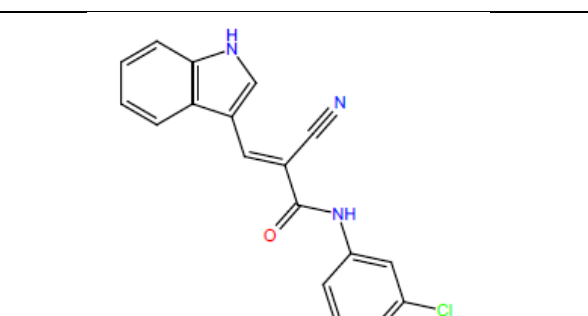
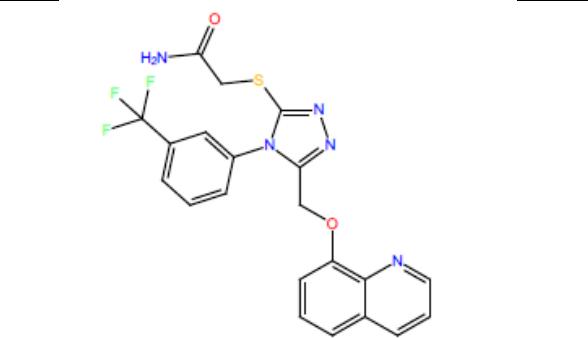
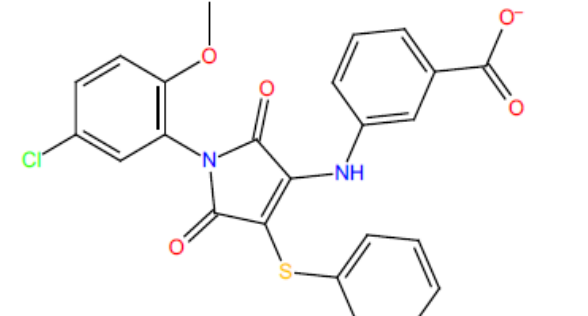
**Table S1.** Binding interactions of ligand molecules with PDGF-C protein\*

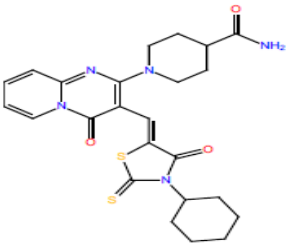
S.No/Id	Structure	Glide Score	Glide Energy	Hydrogen bond interactions
Ligand-82		-10.96	-57.54	ASN292:HD21 – :UNK:O29 LEU309:H – :UNK:O17 SER323:H – :UNK:O17 UNK:H37 – :LEU309:O UNK:H45 – :HIS321:O
Ligand-67		-10.56	-54.69	ASN292:HD21 – :UNK:O15 LYS322:HZ1 – :UNK:O30 LEU311:H – :UNK:O17 GLY341:H – :UNK:O29 THR343:H – :UNK:O30 UNK:H49 – :THR343:O

S.No/Id	Structure	Glide Score	Glide Energy	Hydrogen bond interactions
Ligand-134		-10.54	-57.67	TYR202:H - :UNK:O20 ARG253:H - :UNK:N1 UNK:H23 - :THR251:O UNK:H30 - :VAL227:O
Ligand-133		-10.28	-57.90	TYR202:H - :UNK:O20 ARG253:H - :UNK:N4 ALA285:H - UNK:O13 UNK:H23 - :THR251:O UNK:H30 - :VAL277:O
Ligand-85		-10.12	-55.18	LEU311:H - :UNK:O29 SER323:H - :UNK:O17 UNK:H43 - :SER342:OG
Ligand-86		-10.04	-55.13	LEU309:H - :UNK:O11 LEU311:H - :UNK:O28 SER323:H - :UNK:O17 UNK:H46 - :SER342:OG
Ligand-132		-10.01	-45.65	ASN292:HD21 - :UNK:O19 ASN292:HD21 - :UNK:O20 TYR305:H - :UNK:O11 UNK:H26 - :TYR305:O

S.No/Id	Structure	Glide Score	Glide Energy	Hydrogen bond interactions
Ligand-161		-10.00	-48.68	TYR305:H – :UNK:O16 UNK:H30 – :TYR305: O
Ligand-210		-9.99	-54.45	LYS304:H – :UNK:O14 TYR305:H – :UNK:N11 GLY341:H – :UNK:O18 UNK:H33 – :TYR305:O
Ligand-159		-9.71	-40.64	ARG253:H – :UNK:N1 ALA285: H – :UNK:O11
Ligand-186		-9.65	-40.19	LYS304:H – :UNK:O12 TYR305:H – :UNK: O12 UNK:H24 – :TYR305:O UNK:H27 – :GLU307:OE1

S.No/Id	Structure	Glide Score	Glide Energy	Hydrogen bond interactions
Ligand-91		-9.39	-59.70	GLY345:H - :UNK:O24 UNK:H52 - :LEU311:O
Ligand-18		-9.37	-47.57	UNK:H21 - :THR251:O UNK:H25 - :ILE200:O
Ligand-160		-9.27	-37.83	UNK: H17 - :THR251 : O UNK: H21 - :ILE200 : O TYR202:H - :UNK:N3
Ligand-17		-9.26	-56.64	SER323: H - :UNK: O17 UNK: H38 - :ASN290: O UNK: H44 - :HIS321: O
Ligand-95		-9.22	-44.41	LYS304:H - :UNK:O19 TYR305:H - :UNK:O19 UNK:H28 - :TYR305: O

S.No/Id	Structure	Glide Score	Glide Energy	Hydrogen bond interactions
Ligand-190		-9.19	-53.97	LEU311:H – :UNK: O16 THR343:H – :UNK: O21 GLY345: H – :UNK: O20 UNK: H61 – :GLU307: OE1
Ligand-204		-9.18	-45.52	UNK: H23 – :CYS280: O UNK: H24 – :CYS250: O UNK: H28 – :VAL277: O
Ligand-106		-9.08	-45.09	UNK: H27 – :THR251: O ALA285:H – :UNK: C116
Ligand-183		-9.08	-54.67	ASN292:HD21 – :UNK:N14 UNK: H38 – :ASN290: O UNK:H39 – :ASN292:OD1
Ligand-127		-9.07	-54.14	ASN292:HD21 – :UNK:O17 ARG340:HH11 – :UNK:O49 THR343:H – :UNK:O12 UNK:H33 – :GLY341:O

S.No/Id	Structure	Glide Score	Glide Energy	Hydrogen bond interactions
Ligand-127		-9.01	-57.11	ASN292:HD21 – :UNK:O17 LEU311:H – :UNK:O24 UNK: H51 – :THR343: O

\*docked ligands obtained from virtual screening workflow showing hydrogen bonding and  $\pi$ - $\pi$  interactions.  
 Amino acids represented as 3-letter code