Supporting Information

An Appraisal of Pancreatic Lipase inhibitory Potential of *Ziziphus oenoplia (L.)Mill.* leaves by *In-vitro* and *In-silico* Approaches

Srinivasa R Vulichi[1,2*], Ashish Runthala[3], Siva K Rachamreddy[1], Radhika S P Yaramanedi[1], Partha Sarathi Sahoo[3], Prasad V L S Burra[3], Nameet Kaur[4], Sudheer Akkiraju[5], Somasekhar Reddy Kanala[5], Appa Rao Chippada[1,6], Sistla Durga Srinivasa Murthy[6]

[1]S V University College of Pharmaceutical Sciences, S V University, Tirupati, Andhra Pradesh, India.

[2]BITS, Pilani, Hyderabad Campus, Jawahar Nagar, Hyderabad, Telangana State, India.

[3]Department of Biotechnology, Koneru Lakshmaiah Education Foundation, Vijayawada, Andhra Pradesh, India.

[4]Operon Technologies, New Delhi, India.

[5]Department of Pharmacology, RIPER, Anantapur, Andhra Pradesh, India.

[6]Department of Biochemistry, S V University, Tirupati, Andhra Pradesh, India.

*Corresponding Authors

Email: nivschem@gmail.com, ashish.runthala@gmail.com

Table S1. Details of the respective chemical analogues of the best five lead-like molecules in descending order of their binding affinity scores (in kcal/mol) confirmed through docking analysis.

S. No	PubChem CID	Binding affinity (kcal/mol)
1.	132582306	-9.3
2.	11260294	-8.8
3.	44440845	-8.7
4.	163020300	-8.7
5.	22288010	-8.6
6.	53398699	-8.6
7.	131752285	-8.5
8.	442725	-8.5
9.	44147684	-8.5
10.	14887606	-8.4
11.	162941227	-8.4
12.	102353416	-8.3
13.	11248556	-8.3
14.	131751472	-8.3
15.	159460	-8.3
16.	73981696	-8.3

17.	12302035	-8.2
18.	12443368	-8.2
19.	5748594	-8.2
20.	5321398	-8.2
21.	14861229	-8.2
22.	14681458	-8.2
23.	11546834	-8.1
24.	5918474	-8.1
25.	10095770	-8.0
26.	134926872	-8.0
27.	14861226	-8.0
28.	74977829	-8.0
29.	21603474	-7.8
30.	10454451	-7.7
31.	131752176	-7.7
32.	6451798	-7.7
33.	5318659	-7.7
34.	44257871	-7.7

35.	5370466	-7.6
36.	162907626	-7.6
37.	85362951	-7.5
38.	162901393	-7.5
39.	44258317	-7.4
40.	16037498	-7.4
41.	1102158311	-7.2
42.	24806298	-6.8
43.	4419068	-6.0
44.	53589131	-5.7