

**Table. 1** Repetition of Docking scores of receptor protein (2AZ5) with the ligands (phytochemicals of *Andrographis paniculata*) by Autodock vina

Ligand name	Compound CID	Binding affinities	
		1	2
Andrographidine C	5318484	-8.6 Kcal/mol	-8.6 Kcal/mol
Bisandrographolide A	12000062	-8.6 Kcal/mol	-8.5 Kcal/mol
Neoandrographolide	9848024	-8.5 Kcal/mol	-8.3 Kcal/mol
Andrographolactone	44206466	-8.5 Kcal/mol	-8.4 Kcal/mol
12-Hydroxyandrographolide	38350572	-8.5 Kcal/mol	-8.5 Kcal/mol
Andrographidine A	13963762	-8.5 Kcal/mol	-8.5 Kcal/mol
Andrographiside	44593583	-8.2 Kcal/mol	-8.2 Kcal/mol
3-O-beta-D-glucopyranosyl 14,19-dideoxyandrographolide	11576609	-8.1 Kcal/mol	-8.1 Kcal/mol
14-Deoxy-12-hydroxyandrographolide	38350572	-8.0 Kcal/mol	-8.0 Kcal/mol
8,17-Epoxy-14-deoxyandrographolide	44575263	-7.8 Kcal/mol	-7.8 Kcal/mol
Luteolin	5280445	-7.8 Kcal/mol	-7.8 Kcal/mol
Andrograpanin	11666871	-7.8 Kcal/mol	-7.8 Kcal/mol

14-Deoxyandrographolide	11624161	-7.7 Kcal/mol	-7.6 Kcal/mol
14-Deoxy-11-hydroxyandrographolide	91884987	-7.6 Kcal/mol	-7.6 Kcal/mol
Apigenin	5280443	-7.6 Kcal/mol	-7.6 Kcal/mol
Onysilin	12041831	-7.5 Kcal/mol	-7.5 Kcal/mol
7-O-methylwogonin	188316	-7.4 Kcal/mol	-7.3 Kcal/mol
Isoandrographolide	343585	-7.3 Kcal/mol	-7.3 Kcal/mol
Andrographolide	5318517	-7.2 Kcal/mol	-7.2 Kcal/mol
14-Deoxy 11,12-didehydroandrographolide	5708351	-7.2 Kcal/mol	-7.2 Kcal/mol
Leflunomide (Control)	3899	-7.1 Kcal/mol	-7.3 Kcal/mol