

Table S1. Constituents of AL from TCMSP and literature.

Mol ID	Molecule Name	MW	OB (%)	Caco-2	BBB	DL	Source
MOL013068	Oroxindin	459.41	7.07	-1.68	-2.15	0.77	TCMSP
MOL000184	Stigmastenone	412.77	39.25	1.42	1.22	0.76	TCMSP
MOL000186	Stigmasterol 3-O- β -D-glucopyranoside_qt	412.77	43.83	1.31	0.9	0.76	TCMSP
MOL000094	Daucosterol_qt	414.79	36.91	1.3	0.87	0.76	TCMSP
MOL000092	Daucosterin_qt	414.79	36.91	1.42	1.15	0.76	TCMSP
MOL000449	Stigmasterol	412.77	43.83	1.44	1	0.76	[1]
MOL000088	β -sitosterol 3-O-glucoside_qt	414.79	36.91	1.3	0.91	0.75	TCMSP
MOL000085	β -daucosterol_qt	414.79	36.91	1.3	0.88	0.75	TCMSP
MOL000095	Δ -7-stigmastenol	416.81	25.32	1.31	0.98	0.75	TCMSP
MOL000086	(24S)-5 β -Stigmastan-3 β -ol	416.81	25.32	1.41	1.18	0.75	TCMSP
MOL000358	β -sitosterol	414.79	36.91	1.32	0.99	0.75	[1]
MOL000185	Stigmasterol 3-O- β -D-glucopyranoside	574.93	21.32	-0.22	-0.93	0.63	TCMSP
MOL000084	β -daucosterol	576.95	20.63	-0.19	-0.88	0.63	TCMSP
MOL000093	Daucosterol	576.95	20.63	-0.26	-0.97	0.63	TCMSP
MOL000091	Daucosterin	576.95	20.63	-0.28	-1	0.63	TCMSP
MOL000087	β -sitosterol 3-O-glucoside	576.95	20.63	-0.45	-1.18	0.62	TCMSP
MOL000192	2-(1,4a-dimethyl-2,3-dihydroxydecahydronaphthalen-7-yl) isopropyl glucoside	418.59	5.96	-1.12	-1.86	0.47	TCMSP
MOL000190	3,5-dimethoxy-4-glucosyloxyphenylallyl alcohol	372.41	29	-1.04	-1.59	0.32	TCMSP
MOL000173	Wogonin	284.28	30.68	0.79	0.04	0.23	TCMSP
MOL000182	Atractyloyn	314.46	5.2	0.73	-0.98	0.23	TCMSP
MOL000188	3 β -acetoxyatractylone	274.39	40.57	1.22	1.04	0.22	TCMSP
MOL000179	2-Hydroxyisoxypyl-3-hydroxy-7-isopentene-2,3-dihydrobenzofuran-5-carboxylic	306.39	45.2	-0.34	-0.91	0.2	TCMSP
MOL000178	Atractylenolide III	248.35	31.66	0.75	0.64	0.17	TCMSP
MOL000187	Butenolide B	234.32	61	0.65	0.45	0.15	TCMSP
MOL000043	Atractylenolide I	230.33	37.37	1.3	1.29	0.15	TCMSP
MOL000167	3 β -hydroxyatractylone	232.35	21.17	1.18	0.97	0.15	TCMSP
MOL000044	Atractylenolide II	232.35	47.5	1.3	1.37	0.15	TCMSP

Table S1. (continued)

Mol ID	Molecule Name	MW	OB (%)	Caco-2	BBB	DL	Source
MOL000164	Atractylone	216.35	33.91	1.74	1.83	0.13	TCMSP
MOL000189	Acetyl atractylodinol	240.27	25.47	1.42	0.69	0.13	TCMSP
MOL000194	Patchoulene	204.39	51.71	1.8	2.21	0.11	TCMSP
MOL000175	Cyperene	204.39	51.1	1.81	2.13	0.11	TCMSP
MOL000060	Selina-4(14),7(11)-dien-8-one	218.37	32.31	1.42	1.57	0.1	TCMSP
MOL000032	β -Eudesmol	222.41	26.09	1.32	1.38	0.1	TCMSP
MOL000193	(Z)-caryophyllene	204.39	30.29	1.82	2.15	0.09	TCMSP
MOL000165	2-[(2S,5S,6S)-6,10-dimethylspiro[4.5]dec-9-en-2-yl]propan-2-ol	222.41	37.62	1.44	1.53	0.09	TCMSP
MOL000171	Guaiol	222.41	38.77	1.36	1.47	0.09	TCMSP
MOL000058	Hinesol	222.41	38.59	1.34	1.42	0.09	[1-3]
MOL000162	β -Chamigrene	204.39	31.99	1.82	2.07	0.08	TCMSP
MOL000034	2-[(1R,3S,4S)-3-isopropenyl-4-methyl-4-vinylcyclohexyl]propan-2-ol	222.41	19.03	1.37	1.46	0.07	TCMSP
MOL000169	α -Guaiene	204.39	25.93	1.81	2.09	0.07	TCMSP
MOL000170	Guaiene	204.39	28.21	1.83	2.03	0.07	TCMSP
MOL000174	(2E,8E)-9-(2-furyl)nona-2,8-dien-4,6-diyn-1-ol	198.23	47.6	1.33	0.14	0.07	TCMSP
MOL000166	ZINC01609418	222.41	21.62	1.41	1.37	0.07	TCMSP
MOL012364	Elemol	222.41	31.91	1.28	1.32	0.07	[1]
MOL000191	3,5-dimethoxy-4-glucosyloxyphenylallyl alcohol_qt	210.25	72.16	0.61	0.2	0.06	TCMSP
MOL000024	α -humulene	204.39	22.98	1.88	2.08	0.06	TCMSP
MOL000027	α -Curcumene	202.37	4.68	1.93	1.99	0.06	[3]
MOL000163	Atractylodin	182.23	44.49	2	1.03	0.05	TCMSP
MOL000168	()-2-Carene	136.26	46.69	1.89	2.27	0.04	TCMSP
MOL000114	Vanillic acid	168.16	35.47	0.43	0.09	0.04	TCMSP
MOL000172	Furol	96.09	34.35	1.08	1.51	0.01	TCMSP

Table S2. Targets of AL compounds.

Gene	Compound
<i>ACHE</i>	MOL000188
<i>ADH1C</i>	MOL000449
<i>ADRA1A</i>	MOL000188, MOL000449, MOL000358
<i>ADRA1B</i>	MOL000449, MOL000194, MOL000358
<i>ADRA2A</i>	MOL000449
<i>ADRB1</i>	MOL000449
<i>ADRB2</i>	MOL000188, MOL000173, MOL000449, MOL000358
<i>AHSA1</i>	MOL000173
<i>AKR1B1</i>	MOL000449
<i>AR</i>	MOL000173, MOL000188,
<i>BAX</i>	MOL000173, MOL000358
<i>BBC3</i>	MOL000173
<i>BCL2</i>	MOL000173, MOL000358
<i>CALM2</i>	MOL000173
<i>CASP3</i>	MOL000173, MOL000358
<i>CASP8</i>	MOL000358
<i>CASP9</i>	MOL000173, MOL000358
<i>CCL2</i>	MOL000173
<i>CCND1</i>	MOL000173
<i>CDK2</i>	MOL000173
<i>CDKN1B</i>	MOL000173
<i>CHEK1</i>	MOL000173
<i>CHRM1</i>	MOL000188, MOL000060, MOL000449, MOL000194, MOL000358
<i>CHRM2</i>	MOL000188, MOL000060, MOL000449, MOL000194, MOL000358
<i>CHRM3</i>	MOL000188, MOL000060, MOL000449, MOL000194, MOL000358, MOL000175
<i>CHRM4</i>	MOL000358
<i>CHRNA2</i>	MOL000358, MOL000194
<i>CHRNA7</i>	MOL000060, MOL000032, MOL000449, MOL000178, MOL000043, MOL000044, MOL000358
<i>CTRB1</i>	MOL000449
<i>CYP101</i>	MOL000358
<i>DPP4</i>	MOL000188, MOL000173
<i>DRD1</i>	MOL000188, MOL000358

Table S2. (continued)

Gene	Compound
<i>EIF6</i>	MOL000173
<i>ESR1</i>	MOL000173
<i>F2</i>	MOL000188
<i>FN1</i>	MOL000173
<i>GABRA1</i>	MOL000175, MOL000060, MOL000188, MOL000449, MOL000358, MOL000173, MOL000178, MOL000043, MOL000044, MOL000194, MOL000032
<i>GABRA2</i>	MOL000060, MOL000043, MOL000044, MOL000358
<i>GABRA3</i>	MOL000060, MOL000044, MOL000449, MOL000358
<i>GABRA5</i>	MOL000358
<i>GABRA6</i>	MOL000060, MOL000178
<i>GRM2</i>	MOL000178, MOL000044
<i>GSK3B</i>	MOL000173
<i>HSP90</i>	MOL000358, MOL000173
<i>HTR2A</i>	MOL000188, MOL000449, MOL000358
<i>IGHG1</i>	MOL000449
<i>IL1B</i>	MOL000043
<i>IL6</i>	MOL000173, MOL000043
<i>IL8</i>	MOL000173
<i>JUN</i>	MOL000358, MOL000173
<i>KCNH2</i>	MOL000358
<i>LTA4H</i>	MOL000449
<i>MAOA</i>	MOL000449
<i>MAOB</i>	MOL000449
<i>MAP2</i>	MOL000358
<i>MAPK14</i>	MOL000173
<i>MCL1</i>	MOL000173
<i>MMP1</i>	MOL000173
<i>NCOA1</i>	MOL000449
<i>NCOA2</i>	MOL000175, MOL000449, MOL000358, MOL000194
<i>NOS2</i>	MOL000173
<i>NOS3</i>	MOL000188
<i>NR3C2</i>	MOL000449
<i>OPRM1</i>	MOL000188, MOL000358

Table S2. (continued)

Gene	Compound
<i>TEP1</i>	MOL000173
<i>TGFB1</i>	MOL000358
<i>TNF</i>	MOL000043, MOL000173
<i>TP53</i>	MOL000173
<i>VEGFA</i>	MOL000043
<i>VEGFR2</i>	MOL000173
<i>PDE3A</i>	MOL000188, MOL000358, MOL000173
<i>PGF</i>	MOL000043
<i>PGR</i>	MOL000449, MOL000184, MOL000085, MOL000095, MOL000086
<i>PIK3CG</i>	MOL000358, MOL000173
<i>PLAU</i>	MOL000449
<i>PON1</i>	MOL000358
<i>PPARG</i>	MOL000173
<i>PRKACA</i>	MOL000188, MOL000449, MOL000173
<i>PRKCA</i>	MOL000358
<i>PRKCD</i>	MOL000173
<i>PRSSI</i>	MOL000173
<i>PTGER3</i>	MOL000173
<i>PTGSI</i>	MOL000449, MOL000358, MOL000173
<i>PTGS2</i>	MOL000175, MOL000060, MOL000188, MOL000449, MOL000358, MOL000173
<i>RELA</i>	MOL000173
<i>RXRA</i>	MOL000188, MOL000449, MOL000173
<i>SCN5A</i>	MOL000188, MOL000449, MOL000358, MOL000173
<i>SLC6A2</i>	MOL000060, MOL000188, MOL000449
<i>SLC6A3</i>	MOL000188, MOL000449
<i>SLC6A4</i>	MOL000188, MOL000358

Table S3. 260 genes associated with depression acquired from DisGeNET(Disease ID: C0011570, score ≥ 0.3)

Depression-related targets						
<i>A2M</i>	<i>CDKN2A</i>	<i>DPYSL2</i>	<i>GRIN2A</i>	<i>IL1A</i>	<i>NTRK2</i>	<i>SFRP1</i>
<i>AANAT</i>	<i>CHAT</i>	<i>DRD1</i>	<i>GRIN2B</i>	<i>IL1B</i>	<i>NTS</i>	<i>SGCE</i>
<i>ABCB1</i>	<i>CHRM2</i>	<i>DRD2</i>	<i>GRK2</i>	<i>IL6</i>	<i>OAS2</i>	<i>SLC18A1</i>
<i>ADCY5</i>	<i>CHRNA2</i>	<i>DRD3</i>	<i>GRM1</i>	<i>IL6R</i>	<i>OPRK1</i>	<i>SLC18A2</i>
<i>ADCY7</i>	<i>CHRNA4</i>	<i>DRD4</i>	<i>GRM7</i>	<i>IMPA2</i>	<i>OPRM1</i>	<i>SLC1A1</i>
<i>ADCY8</i>	<i>CHRNA6</i>	<i>DTNBP1</i>	<i>GRN</i>	<i>KCNJ6</i>	<i>OR7D4</i>	<i>SLC1A2</i>
<i>ADCYAP1</i>	<i>CHRNB3</i>	<i>DUSP1</i>	<i>GRPR</i>	<i>KCNK2</i>	<i>OXT</i>	<i>SLC29A3</i>
<i>ADCYAP1R1</i>	<i>CLOCK</i>	<i>DUSP4</i>	<i>GSK3B</i>	<i>LDHA</i>	<i>OXTR</i>	<i>SLC6A1</i>
<i>ADRA2A</i>	<i>CMKLR1</i>	<i>DUSP6</i>	<i>GSTM1</i>	<i>LEP</i>	<i>P2RX7</i>	<i>SLC6A2</i>
<i>ADRB1</i>	<i>CNR1</i>	<i>EGR3</i>	<i>GSTT1</i>	<i>LGII</i>	<i>PCLO</i>	<i>SLC6A3</i>
<i>AGO1</i>	<i>CNR2</i>	<i>ERBB3</i>	<i>GTS</i>	<i>LIF</i>	<i>PDE1B</i>	<i>SLC6A4</i>
<i>AGT</i>	<i>CNTF</i>	<i>ESR1</i>	<i>GYPE</i>	<i>LTA4H</i>	<i>PDE4A</i>	<i>SLCO1C1</i>
<i>AKT1</i>	<i>COMT</i>	<i>FEV</i>	<i>HCN1</i>	<i>M6PR</i>	<i>PDE4B</i>	<i>SNAP25</i>
<i>ALK</i>	<i>COX2</i>	<i>FGF17</i>	<i>HCRT</i>	<i>MAOA</i>	<i>PDE4D</i>	<i>SNCA</i>
<i>ANKK1</i>	<i>CPLX1</i>	<i>FGF20</i>	<i>HCRT1</i>	<i>MAOB</i>	<i>PDYN</i>	<i>SOD1</i>
<i>APP</i>	<i>CPLX2</i>	<i>FGFR1</i>	<i>HDAC2</i>	<i>MAPK3</i>	<i>PENK</i>	<i>SOD2</i>
<i>APRT</i>	<i>CREB1</i>	<i>FGFR2</i>	<i>HDAC4</i>	<i>MAPK8</i>	<i>PER2</i>	<i>SRD5A1</i>
<i>AQP4</i>	<i>CRH</i>	<i>FKBP5</i>	<i>HDAC5</i>	<i>MC1R</i>	<i>PER3</i>	<i>STMN1</i>
<i>AR</i>	<i>CRHBP</i>	<i>FOLH1</i>	<i>HDAC6</i>	<i>MC4R</i>	<i>PEX5L</i>	<i>SYN1</i>
<i>ARHGEF10</i>	<i>CRHR1</i>	<i>FOS</i>	<i>HDAC9</i>	<i>MCHR1</i>	<i>PFKFB3</i>	<i>TAC1</i>
<i>ARNTL</i>	<i>CRHR2</i>	<i>FTO</i>	<i>HIF1A</i>	<i>MED12</i>	<i>PMCH</i>	<i>TACR1</i>
<i>ARRB2</i>	<i>CRY1</i>	<i>GABRA3</i>	<i>HOMER1</i>	<i>MTHFR</i>	<i>PNOC</i>	<i>TBX19</i>
<i>ARTN</i>	<i>CRY2</i>	<i>GABRA6</i>	<i>HP</i>	<i>MTR</i>	<i>POMC</i>	<i>TH</i>
<i>ASMT</i>	<i>CSMD2</i>	<i>GABRB3</i>	<i>HSD11B1</i>	<i>NCAM1</i>	<i>PPP1R1B</i>	<i>TIMELESS</i>
<i>ATF3</i>	<i>CXCL8</i>	<i>GAD1</i>	<i>HTR1A</i>	<i>NEFM</i>	<i>PPP3CC</i>	<i>TLE1</i>
<i>ATF4</i>	<i>CYP2C19</i>	<i>GAL</i>	<i>HTR1B</i>	<i>NGF</i>	<i>PRKCI</i>	<i>TNF</i>
<i>ATP1A3</i>	<i>CYP2D6</i>	<i>GAP43</i>	<i>HTR2A</i>	<i>NGFR</i>	<i>PSEN1</i>	<i>TNFRSF1A</i>
<i>ATP2A2</i>	<i>DAOA</i>	<i>GFAP</i>	<i>HTR2C</i>	<i>NOS2</i>	<i>PTGS2</i>	<i>TNFRSF1B</i>
<i>ATXN3</i>	<i>DAOA-AS1</i>	<i>GH1</i>	<i>HTR3A</i>	<i>NOS3</i>	<i>PYY</i>	<i>TPH1</i>
<i>BAG1</i>	<i>DBH</i>	<i>GLO1</i>	<i>HTR3B</i>	<i>NPAS2</i>	<i>RAC1</i>	<i>TPH2</i>
<i>BDNF</i>	<i>DEAF1</i>	<i>GLUL</i>	<i>HTR4</i>	<i>NPS</i>	<i>RELN</i>	<i>TRH</i>
<i>BICC1</i>	<i>DGCR8</i>	<i>GNB3</i>	<i>HTR7</i>	<i>NPSR1</i>	<i>REN</i>	<i>TTR</i>
<i>BRCA1</i>	<i>DGKB</i>	<i>GPX1</i>	<i>HTT</i>	<i>NPY</i>	<i>RNF123</i>	<i>UCN</i>
<i>CACNA1C</i>	<i>DISC1</i>	<i>GRIA1</i>	<i>IDO1</i>	<i>NR3C1</i>	<i>RORA</i>	<i>VEGFA</i>
<i>CALM2</i>	<i>DKK4</i>	<i>GRIA3</i>	<i>IFNG</i>	<i>NR3C2</i>	<i>S100A10</i>	<i>VGF</i>
<i>CAMK2A</i>	<i>DLG4</i>	<i>GRID1</i>	<i>IGF1</i>	<i>NRG1</i>	<i>S100B</i>	<i>WFS1</i>
<i>CARTPT</i>	<i>DPP4</i>	<i>GRIK3</i>	<i>IL18</i>	<i>NRXN1</i>	<i>SERPINA6</i>	<i>WWC1</i>
<i>CDH13</i>						

Table S4. Gene Ontology (GO) Biological Process analysis on the potential targets of AL compounds.

GO Biological Process	Related genes	Combined score
regulation of peptide hormone secretion (GO:0090276)	<i>DPP4, IL6, NOS2, IL1B, TNF, ADRA2A</i>	1678.71
phospholipase C-activating G protein-coupled receptor signaling pathway (GO:0007200)	<i>CHRM2, HTR2A, DRD1, OPRM1, ESR1, ADRA2A</i>	1481.4
positive regulation of acute inflammatory response (GO:0002675)	<i>IL6, IL1B, PTGS2, TNF</i>	5837.22
regulation of insulin secretion (GO:0050796)	<i>DPP4, IL6, NOS2, IL1B, TNF, ADRA2A</i>	1048.31
regulation of neuroinflammatory response (GO:0150077)	<i>IL6, IL1B, TNF, PTGS2</i>	4049.2
cellular response to cytokine stimulus (GO:0071345)	<i>GSK3B, IL6, NOS2, MAOA, IL1B, OPRM1, PTGS2, TNF, VEGFA</i>	356.64
positive regulation of gene expression (GO:0010628)	<i>GSK3B, AR, IL6, NOS3, IL1B, DRD1, TNF, ADRA2A, VEGFA</i>	356.64
regulation of protein secretion (GO:0050708)	<i>DPP4, IL6, NOS2, IL1B, TNF, ADRA2A</i>	811.96
regulation of fever generation (GO:0031620)	<i>IL1B, PTGS2, TNF</i>	20996.79
positive regulation of glial cell proliferation (GO:0060252)	<i>IL6, IL1B, TNF</i>	20996.79

Table S5. Gene Ontology (GO) Molecular Function analysis on the potential targets of AL compounds.

GO Molecular Function	Related genes	Combined score
sodium:chloride symporter activity (GO:0015378)	<i>SLC6A2, SLC6A3, SLC6A4</i>	6149.17
monoamine transmembrane transporter activity (GO:0008504)	<i>SLC6A2, SLC6A3, SLC6A4</i>	6149.17
transmitter-gated ion channel activity involved in regulation of postsynaptic membrane potential (GO:1904315)	<i>CHRNA2, GABRA6, GABRA3</i>	1023.01
RNA polymerase II general transcription initiation factor binding (GO:0001091)	<i>AR, ESR1</i>	5570.3
arginine binding (GO:0034618)	<i>NOS2, NOS3</i>	2521.84
receptor ligand activity (GO:0048018)	<i>DPP4, IL6, TNF, IL1B, VEGFA</i>	137.49
benzodiazepine receptor activity (GO:0008503)	<i>GABRA6, GABRA3</i>	1800.45
cytokine activity (GO:0005125)	<i>IL6, IL1B, TNF, VEGFA</i>	181.06
extracellular ligand-gated ion channel activity (GO:0005230)	<i>GABRA6, GABRA3</i>	1566.22
FMN binding (GO:0010181)	<i>NOS2, NOS3</i>	1566.22

Table S6. Gene Ontology (GO) Cellular Component analysis on the potential targets of AL compounds.

GO Cellular Component	Related genes	Combined score
neuron projection (GO:0043005)	<i>CHRM2, GSK3B, CHRNA2, GABRA3, HTR2A, OPRM1, PTGS2, SLC6A2, SLC6A3, SLC6A4</i>	531.75
integral component of plasma membrane (GO:0005887)	<i>CHRM2, CHRNA2, GABRA6, GABRA3, ADRB1, HTR2A, OPRM1, SLC6A2, TNF, SLC6A3, ADRA2A, SLC6A4, IL6, DRD1</i>	260.27
dendrite (GO:0030425)	<i>CHRM2, GSK3B, GABRA6, GABRA3, HTR2A, OPRM1</i>	270.7
GABA-A receptor complex (GO:1902711)	<i>GABRA6, GABRA3</i>	727.05
dendrite membrane (GO:0032590)	<i>GABRA6, GABRA3</i>	408.9
organelle outer membrane (GO:0031968)	<i>MAOA, MAOB, PTGS2</i>	118.14
membrane raft (GO:0045121)	<i>TNF, SLC6A3, SLC6A4</i>	96.63
axon (GO:0030424)	<i>GSK3B, OPRM1, SLC6A3</i>	69.22
caveola (GO:0005901)	<i>NOS3, SLC6A3</i>	151.87
vesicle (GO:0031982)	<i>NOS2, NOS3, CALM2</i>	59.26

Table S7. Kyoto Encyclopedia Genes and Genomes (KEGG) pathway analysis on the potential targets of AL compounds.

KEGG pathway	Related genes	Combined score
Neuroactive ligand-receptor interaction	<i>CHRM2, CHRNA2, GABRA6, GABRA3, ADRB1, HTR2A, DRD1, OPRM1, ADRA2A</i>	596.5
Calcium signaling pathway	<i>CHRM2, NOS2, ADRB1, HTR2A, DRD1, CALM2, VEGFA</i>	706.46
Human cytomegalovirus infection	<i>GSK3B, IL6, IL1B, PTGS2, TNF, CALM2, VEGFA</i>	535.28
Dopaminergic synapse	<i>GSK3B, MAOA, MAOB, DRD1, CALM2, SLC6A3</i>	752.54
Amphetamine addiction	<i>MAOA, MAOB, DRD1, CALM2, SLC6A3</i>	1153.67
Pertussis	<i>IL6, IL1B, NOS2, TNF, CALM2</i>	1009.69
IL-17 signaling pathway	<i>GSK3B, IL6, IL1B, PTGS2, TNF</i>	752.7
Pathways of neurodegeneration	<i>GSK3B, IL6, NOS2, IL1B, PTGS2, TNF, CALM2, SLC6A3</i>	258.09
AGE-RAGE signaling pathway in diabetic complications	<i>IL6, NOS3, IL1B, TNF, VEGFA</i>	690.84
C-type lectin receptor signaling pathway	<i>IL6, IL1B, PTGS2, TNF, CALM2</i>	654.23
Lipid and atherosclerosis	<i>GSK3B, IL6, NOS3, IL1B, TNF, CALM2</i>	377.17
Pathways in cancer	<i>GSK3B, AR, IL6, NOS2, PTGS2, ESRI, CALM2, VEGFA</i>	217.19
Serotonergic synapse	<i>MAOA, MAOB, HTR2, PTGS2, SLC6A4</i>	582.88
Alzheimer disease	<i>GSK3B, IL6, NOS2, IL1B, PTGS2, TNF, CALM2</i>	259.22
Cocaine addiction	<i>MAOA, MAOB, DRD1, SLC6A3</i>	1054.52
Arginine and proline metabolism	<i>MAOA, MAOB, NOS2, NOS3</i>	1025.6
Fluid shear stress and atherosclerosis	<i>NOS3, IL1B, TNF, CALM2, VEGFA</i>	436.1
Leishmaniasis	<i>NOS2, IL1B, PTGS2, TNF</i>	566.11
Tuberculosis	<i>IL6, NOS2, IL1B, TNF, CALM2</i>	302.01
Alcoholism	<i>MAOA, MAOB, DRD1, CALM2, SLC6A3</i>	288.11

Table S8. Docking scores of compounds in AL and potential targets.

Compound	Docking score (kcal/mol)								
	CHMR2	ESR1	GABRA3	HTR2A	IL6	NOS3	PTGS2	SCL6A4	TNF
3 β -acetoxyatractylone	-7.7	-	-	-6.8	-	-7.8	-8.4	-7.2	-
Atractylenolide I	-	-	-	-	-6.6	-	-	-	-7.7
Atractylenolide II	-	-	-7.3	-	-	-	-	-	-
Cyperene	-	-	-	-	-	-	-7.0	-	-
Patchoulene	-7.2	-	-	-	-	-	-	-	-
Selina-4(14),7(11)-dien-8-one	-7.1	-	-6.7	-	-	-	-7.3	-	-
Stigmasterol	-8.6	-	-8.0	-9.0	-	-	-9.9	-	-
Wogonin	-	-6.7	-	-	-6.3	-	-8.0	-	-6.4
β -sitosterol	-8.7	-	-7.7	-8.6	-	-	-9.4	-6.8	-

References

1. Jun, X.; Fu, P.; Lei, Y.; Cheng, P. Pharmacological effects of medicinal components of *Atractylodes lancea* (Thunb.) DC. *Chin. Med.* **2018**, *13*, 59.
2. Koonrungsesomboon, N.; Na-Bangchang, K.; Karbwang, J. Therapeutic potential and pharmacological activities of *Atractylodes lancea* (Thunb.) DC. *Asian Pac. J. Trop. Med.* **2014**, *7*, 421–428.
3. Cheng, Y.; Mai, J. Y.; Hou, T. L.; Ping, J.; Chen, J. J. Antiviral activities of atractylon from *Atractylodes Rhizoma*. *Mol. Med. Rep.* **2016**, *14*, 3704–3710.