

SUPPLEMENTARY FILE

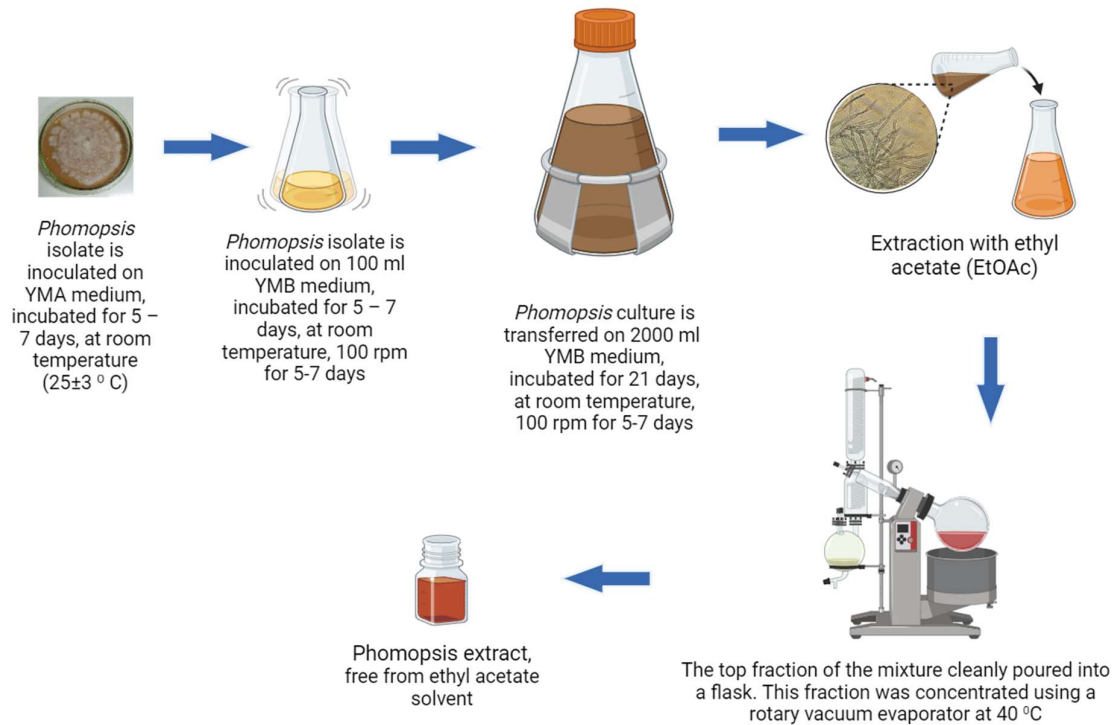


Figure S1. Schematic of the extract manufacturing process

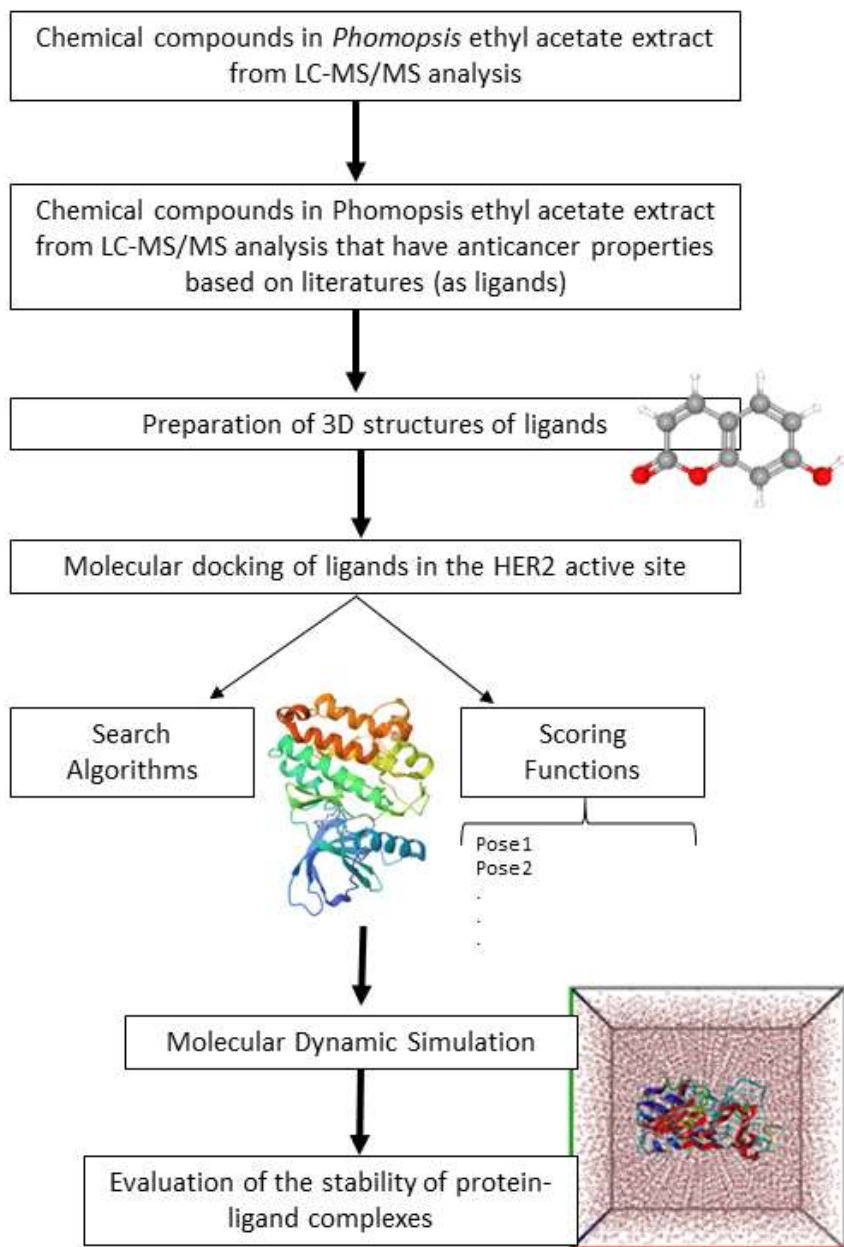


Figure S2. Schematic of the *in silico* study

Table S1. Chemical compounds in *Phomopsis* ethyl acetate extract from LC-MS/MS analysis

	Compounds	Anti-cancer potency	Formula	RT [min]	Area	Relative Abundance (%)	Class
1.	7-Hydroxycoumarine	√	C ₉ H ₆ O ₃	11.99	4.9E+10	53.18	Phenolic
2.	Dimethyl phthalate	-	C ₁₀ H ₁₀ O ₄	11.99	1.4E+10	15.32	Ester
3.	Sorbic acid	√	C ₆ H ₈ O ₂	3.93	7.8E+09	8.54	Carboxylic acid
4.	Diisobutylphthalate	-	C ₁₆ H ₂₂ O ₄	21.19	4.9E+09	5.31	Ester
5.	Bis(2-ethylhexyl) phthalate	-	C ₂₄ H ₃₈ O ₄	29.25	1.9E+09	2.04	Ester
6.	PPG n6	-	C ₁₈ H ₃₈ O ₇	10.97	1.7E+09	1.91	Alcohol
7.	PPG n8	-	C ₂₄ H ₅₀ O ₉	13.36	1.7E+09	1.84	Alcohol
8.	PPG n5	-	C ₁₅ H ₃₂ O ₆	9.66	1.7E+09	1.82	Alcohol
9.	PPG n7	-	C ₂₁ H ₄₄ O ₈	12.21	1.5E+09	1.68	Alcohol
10.	Cyclo(phenylalanyl-prolyl)	√	C ₁₄ H ₁₆ N ₂ O ₂	8.22	1.3E+09	1.37	Alcaloid
11.	NP-011220	-	C ₁₁ H ₁₈ N ₂ O ₂	7.41	1.1E+09	1.18	Phosphor
12.	(5E)-7-methylidene-10-oxo-4-(propan-2-yl)undec-5-enoic acid	-	C ₁₅ H ₂₄ O ₃	15.79	7.8E+08	0.86	Fatty acid
13.	Phthaldialdehyde	-	C ₈ H ₆ O ₂	11.98	6.9E+08	0.76	Benzaldehyd
14.	Triphenyl phosphate	-	C ₁₈ H ₁₅ O ₄ P	19.42	6.2E+08	0.68	Organophosphates
15.	3-[(4-hydroxyphenyl)methyl]-octa hydroppyrrrolo[1,2-a]pyrazine-1,4-dione	√	C ₁₄ H ₁₆ N ₂ O ₃	5.29	5.3E+08	0.58	Alcaloid
16.	Monobutyl phthalate	-	C ₁₂ H ₁₄ O ₄	21.19	3.2E+08	0.35	Ester
17.	1,3,7-Trihydroxy-6-methoxy-4,5-diisoprenylxanthone	√	C ₂₄ H ₂₆ O ₆	23.07	2.6E+08	0.28	Flavonoid
18.	4-Methoxychalcone	√	C ₁₆ H ₁₄ O ₂	17.04	2.1E+08	0.23	Flavonoid
19.	Dibenzoylmethane	√	C ₁₅ H ₁₂ O ₂	20.96	1.7E+08	0.19	Flavonoid
20.	4-Acetamidobutanoic acid	-	C ₆ H ₁₁ NO ₃	1.75	1.5E+08	0.17	Acetamide
21.	4-(hydroxymethyl)benzoic acid	√	C ₈ H ₈ O ₃	7.07	1.4E+08	0.15	Phenolic
22.	DL-Mandelic acid	-	C ₈ H ₈ O ₃	5.14	1.4E+08	0.15	α-Hydroxy acids
23.	Ethyl palmitoleate	-	C ₁₈ H ₃₄ O ₂	21.75	1.4E+08	0.15	Fatty acid
24.	4-Hydroxybenzaldehyde	-	C ₇ H ₆ O ₂	6.43	1.3E+08	0.15	Aromatic aldehyde
25.	N-Acetyl-L-leucine	-	C ₈ H ₁₅ NO ₃	7.02	1.1E+08	0.13	Amino acid
26.	Terephthalic acid	-	C ₈ H ₆ O ₄	5.70	1E+08	0.11	Dicarboxylic acid
27.	Monomethyl phthalate	-	C ₉ H ₈ O ₄	8.51	1E+08	0.11	Ester
28.	Bis(3,5,5-trimethylhexyl) phthalate	-	C ₂₆ H ₄₂ O ₄	26.26	9.7E+07	0.11	Ester
29.	Suberic acid	-	C ₈ H ₁₄ O ₄	7.76	6.7E+07	0.07	Dicarboxylic acid
30.	Citral	√	C ₁₀ H ₁₆ O	14.83	5.7E+07	0.06	Monoterpen
31.	Oxybenzone	-	C ₁₄ H ₁₂ O ₃	18.29	5.2E+07	0.06	Aromatic ketones
32.	9-Oxo-10(E),12(E)-octadecadienoic acid	√	C ₁₈ H ₃₀ O ₃	20.92	4.7E+07	0.05	Fatty acid
33.	Phenylglyoxylic acid	-	C ₈ H ₆ O ₃	6.81	4.2E+07	0.05	Glyoxylic acid
34.	Pimelic acid	-	C ₇ H ₁₂ O ₄	5.94	4.1E+07	0.05	Dicarboxylic acid

35.	3-[(1-Carboxyvinyl)oxy]benzoic acid	√	C ₁₀ H ₈ O ₅	8.82	3.6E+07	0.04	Phenolic
36.	(+)-ar-Turmerone	√	C ₁₅ H ₂₀ O	20.52	3.3E+07	0.04	Sesquiterpen
37.	3-Allyl-2-hydroxybenzoic acid	√	C ₁₀ H ₁₀ O ₃	11.28	3.2E+07	0.04	Phenolic
38.	Ferulic acid	√	C ₁₀ H ₁₀ O ₄	10.52	3.2E+07	0.03	Phenolic
39.	1,3-Diphenylacetone	-	C ₁₅ H ₁₄ O	18.78	2.9E+07	0.03	Ketones
40.	cis-12-Octadecenoic acid methyl ester	-	C ₁₉ H ₃₆ O ₂	25.77	2.6E+07	0.03	Fatty acid
41.	18-β-Glycyrrhetic acid	-	C ₃₀ H ₄₆ O ₄	25.34	1.8E+07	0.02	Triterpenoid
42.	Chalcone	√	C ₁₅ H ₁₂ O	20.46	1.9E+07	0.02	Flavonoid
43.	3,3-Dimethylglutaric acid	-	C ₇ H ₁₂ O ₄	6.98	1.7E+07	0.02	Carboxylic acid
44.	Hydroxycinnamic acid	√	C ₉ H ₁₀ O ₂	8.79	2E+07	0.02	Phenolic

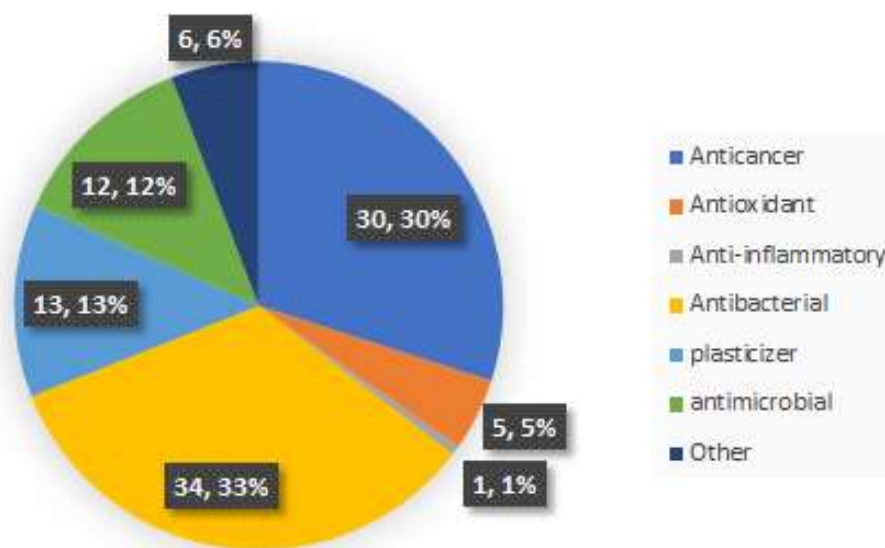


Figure S3. Functions of the compounds contained in *Phomopsis* extract (base on literature)

Table S2. Detection of ethyl acetate in extract

No.	Parameter	Unit	Result	Limit Of Detection	Method
1	Etil Acetate	mg / L	Not detected	4.05	18-6-4/MU/SMM-SIG (GC Head space)