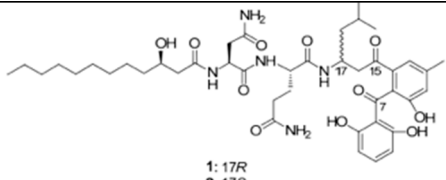
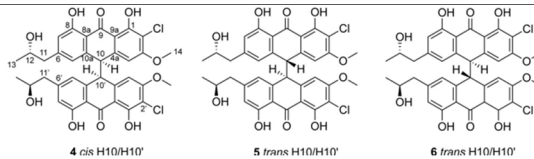
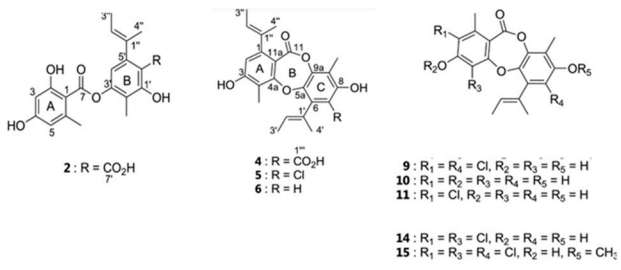
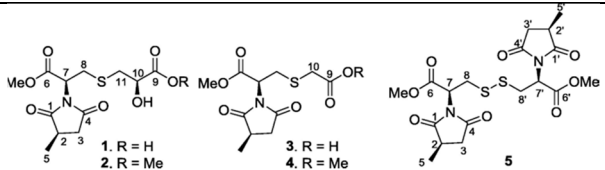
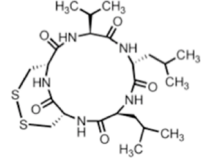
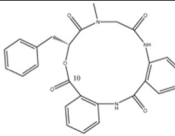
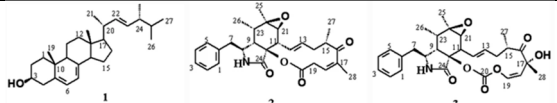
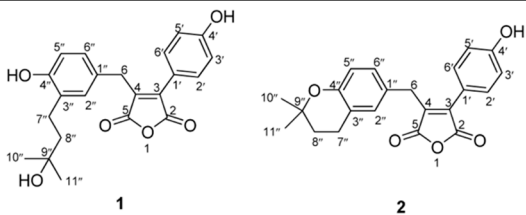
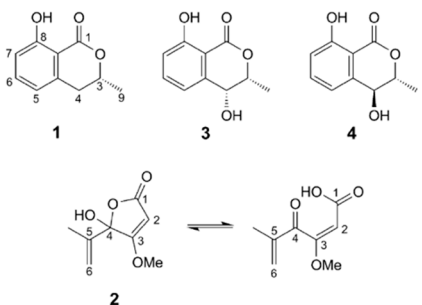
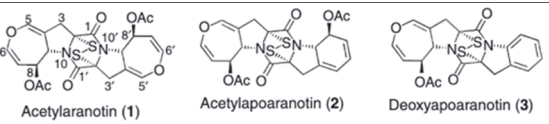
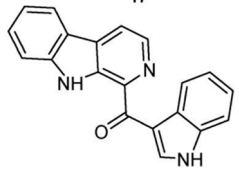
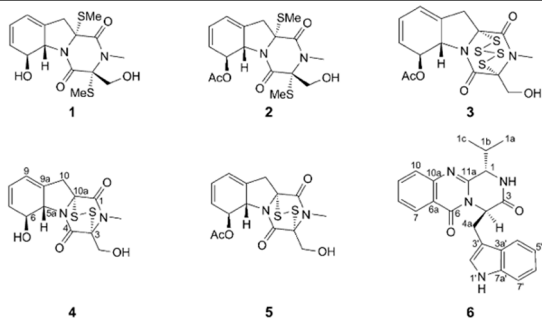
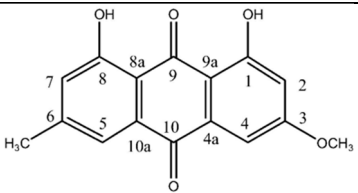
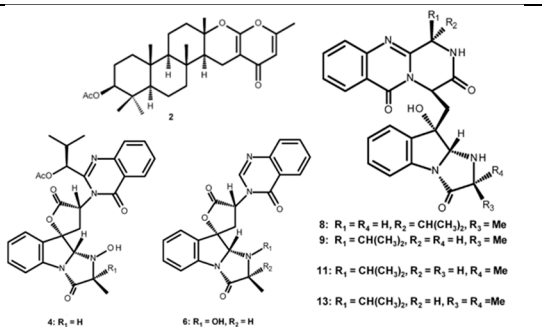


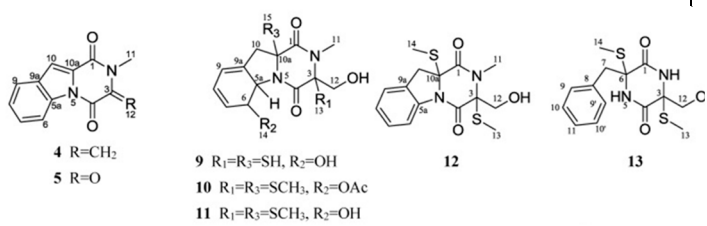
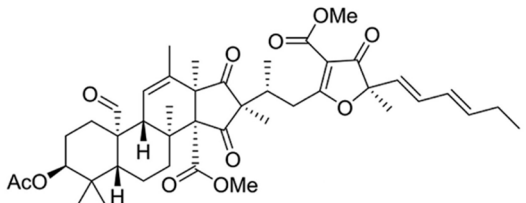
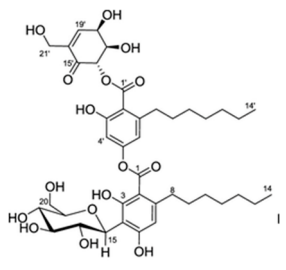
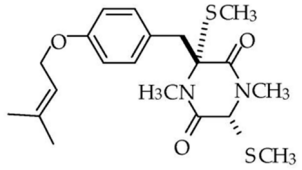
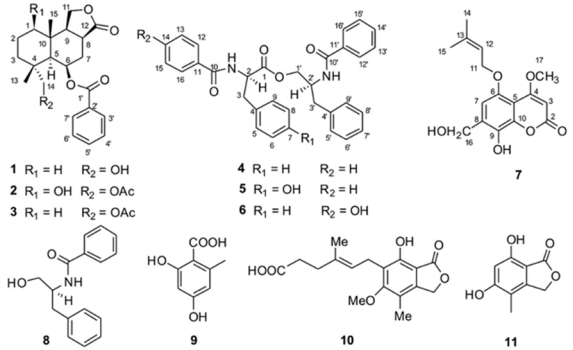
SUPPLEMENTARY MATERIAL

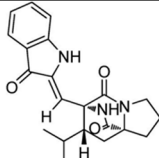
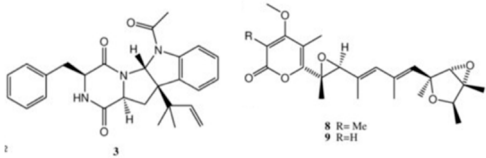
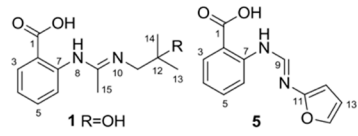
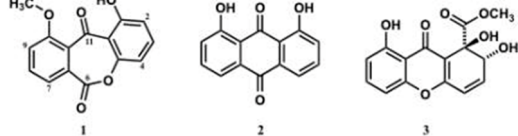
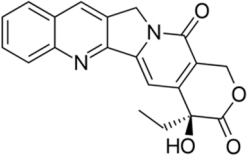
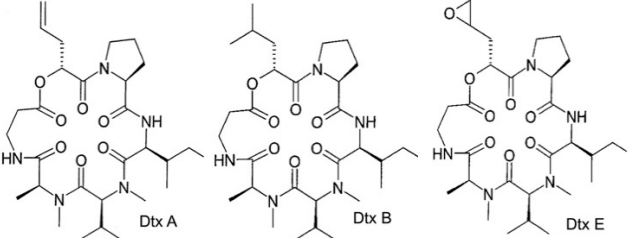
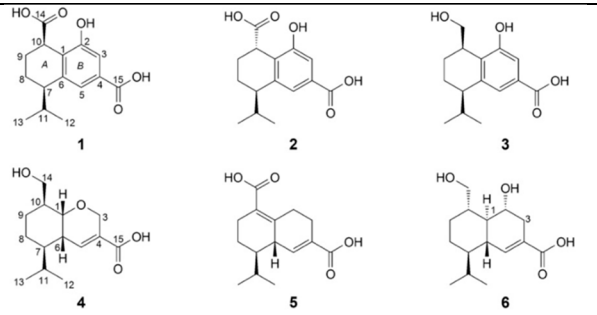
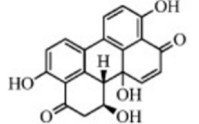
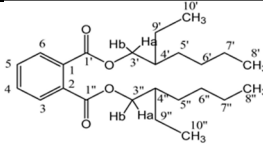
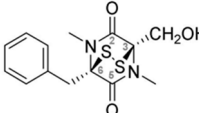
In Vitro Efficacy Of Extracts And Isolated Bioactive Compounds From Ascomycota Fungi In The Treatment Of Colorectal Cancer: A Systematic Review

Table S1. Bioactive compounds isolated from different orders from Ascomycota.

Bioactive compound	Structures of compounds	Isolated from Order	Reference
Asperphenins A (1) Asperphenins B (2)	 1: 17R 2: 17S	Eurotiales	[20]
Allianthrone A (4), B (5) and C (6)	 4 cis H10/H10' 5 trans H10/H10' 6 trans H10/H10'	Eurotiales	[34]
Aspergicide B (2) Aspergisdione (4) Emeguisin A (5) Folipastatin (6) Aspergillusidone C (9) Unguinol (10) 2-Chlorounguinol (11) 2,4-Dichlorounguinol (14) Nidulin (15)	 2: R = CO ₂ H 4: R = CO ₂ H 5: R = Cl 6: R = H 9: R ₁ = R ₄ = Cl, R ₂ = R ₃ = R ₅ = H 10: R ₁ = R ₂ = R ₃ = R ₄ = R ₅ = H 11: R ₁ = Cl, R ₂ = R ₃ = R ₄ = R ₅ = H 14: R ₁ = R ₃ = Cl, R ₂ = R ₄ = R ₅ = H 15: R ₁ = R ₃ = R ₄ = Cl, R ₂ = H, R ₅ = CH ₃	Eurotiales	[30]
Violaceimide A-E (1-5)	 1: R = H 2: R = Me 3: R = H 4: R = Me 5	Eurotiales	[35]
Malformin C		Eurotiales	[40]
Clavatustide B		Eurotiales	[28]
Ergosterol (1) Rosellichalasin (2) Cytochalasin E (3)	 1 2 3	Eurotiales	[27]

Asperterone B (1) and C (2)	 <p style="text-align: center;">1 2</p>	Eurotiales	[41]
Isocoumarin (R)-mellein (1) Penicillic acid (2) <i>cis</i> -4-hydroxmellein (3) <i>trans</i> -4-hydroxmellein (4)	 <p style="text-align: center;">1 3 4</p> <p style="text-align: center;">2</p>	Eurotiales	[26]
Acetylaranotin (1) Acetylapoaranotin (2) Deoxyapoaranotin (3)	 <p style="text-align: center;">Acetylaranotin (1) Acetylapoaranotin (2) Deoxyapoaranotin (3)</p>	Eurotiales	[42]
Pityriacitrin		Eurotiales	[92]
Bis(dethio)bis(methylsulfanyl)gliotoxin (1) 6-acetylbis(dethio)bis(methylsulfanyl)gliotoxin (2) Acetylgliotoxin G (3) Gliotoxin (4) Acetylgliotoxin (5) Fiscalin B (6)	 <p style="text-align: center;">1 2 3</p> <p style="text-align: center;">4 5 6</p>	Eurotiales	[44]
1,8-Dihydroxy-3-methoxy-6-methylanthraquinone		Eurotiales	[23]
Chevalone C (2) Nortryptoquivaline (4) Tryptoquivaline H (6) Fiscalin A (8) <i>epi</i> -fiscalin A (9) and C (13) <i>epi</i> -neofiscalin A (11)	 <p style="text-align: center;">4: R₁ = H 6: R₁ = OH, R₂ = H</p> <p style="text-align: center;">8: R₁ = R₂ = H, R₃ = CH(CH₃)₂, R₄ = Me 9: R₁ = CH(CH₃)₂, R₂ = R₄ = H, R₃ = Me 11: R₁ = CH(CH₃)₂, R₂ = R₃ = H, R₄ = Me 13: R₁ = CH(CH₃)₂, R₂ = H, R₃ = R₄ = Me</p>	Eurotiales	[46]

1,2,3,4-Tetrahydro-2-methyl-3-methylene-1,4-dioxypyrazino[1,2-a]indole (4) 1,2,3,4-Tetrahydro-2-methyl-1,3,4-trioxypyrazino[1,2-a]indole (5) Reduced gliotoxin (9) 6-Acetylbis(methylthio)gliotoxin (10) Bisdethiobis(methylthio)gliotoxin (11) Didehydrobisdethiobis(methylthio)gliotoxin (12) Bis- <i>N</i> -norgliovictin (13)	 <p> 4 R=CH₂ 5 R=O 9 R₁=R₃=SH, R₂=OH 10 R₁=R₃=SCH₃, R₂=OAc 11 R₁=R₃=SCH₃, R₂=OH </p>	Eurotiales	[48]
Isopenicillin A		Eurotiales	[50]
Arenicolin A		Eurotiales	[21]
<i>cis</i> -bis(methylthio)silvatin		Eurotiales	[51]
Epoxydon (1) 3,6,8-trihydroxy-1-methylxanthone (2) Gentisyl alcohol (3) (<i>R,S</i>)-1-phenyl-1,2-ethanediol (4) Dehydrodechlorogriseofulvin (5) Dechlorogriseofulvin (6) Griseofulvin (7) Ethylene glycol benzoate (8) Alternariol (9) Griseoxanthone C (10) Drimiopsin H (11) Griseophenone B (12) and C (13)	Not specified	Eurotiales	[53]
Kongililine A (1), B (7) Pebrolide (2) 1-deoxypebrolide (3) Asperphenamate (4) Asperphenamate B (5), C (6) <i>N</i> -benzoyl-phenylalaninol (8) Orsellinic acid (9) Mycophenolic acid (10) 5, 7-dihydroxy-4-methylphthalide (11)	 <p> 1 R₁ = H R₂ = OH 2 R₁ = OH R₂ = OAc 3 R₁ = H R₂ = OAc 4 R₁ = H R₂ = H 5 R₁ = OH R₂ = H 6 R₁ = H R₂ = OH </p>	Eurotiales	[55]

(-)-Brevianamide C		Eurotiales	[29]
Fructigenine A (3) Verrucosidin (8) Norverrucosidin (9)		Eurotiales	[30]
Penipacids A (1) and E (5)		Eurotiales	[57]
1-Hydroxy-10-methoxy-dibenz[b, e]oxepin-6,11-dione (1) Chrysazin (2) Globosuxanthone A (3)		Hypocreales	[73]
Camptothecin		Hypocreales	[69]
Destruxin A, B and E		Hypocreales	[75]
Trichodermaid A (1), B (2) and C (5) Aspergilloid G (3) Rhinomilisin E (4) and G (6)		Hypocreales	[72]
(6aR, 6bS, 7S)-3, 6a, 7, 10-tetra-hydroxy-4, 9-dioxo-4, 6a, 6b, 7, 8, 9- hexahydroperylene		Pleosporales	[79]
di-2-ethylhexyl phthalate		Pleosporales	[23]
(3R, 6R) hyalodendrin		Pleosporales	[81]

Secalonic acid A (1), E (2) and G (3) Penicillixanthone A (4) and B (5) Blennolide J (10) Hypothemycin (12)		Pleosporales	[80]
Chaetocochin J		Sordariales	[84]
Chaetocochin A (2) and C (3)		Sordariales	[83]
Chaetoglobosin A (1), G (2), V (3), Vb (4), E (6), F (7), Fex (8), Fa (10) 20-dihydrochaetoglobosin A (9)		Sordariales	[82]
Trichocladinols E (2), F (3) and G (4)		Sordariales	[85]
[5'-formyl-2'-hydroxyl-4'-methoxy-(<i>E,E</i>)- sorbophenone (1) Scalbicillin B (3) 1-(2'-hydroxy-4'-methoxy-5'-methylphenyl)-2,4- <i>E,E</i> -hexadien-1-one (4) 5'-formyl-2'-hydroxy-4'-methoxy-(<i>E</i>)-4- hexenophenone (5)		Sordariales	[86]
8,8'-Bijuglone		Capnodiales	[88]
Taxol		Capnodiales	[87]

<p>Phomolactonexanthone A (1), B (2) and C (3)</p> <p>Dicerandrol A (4), B (5) and C (6)</p> <p>Deacetylphomoxanthone B (7)</p> <p>Penexanthone A (8)</p>	<p>1: R₁=R₂=H 2: R₁=Ac R₂=H 3: R₁=R₂=Ac</p> <p>4: R₁=R₂=H 5: R₁=Ac R₂=H 6: R₁=R₂=Ac</p> <p>7: R=H 8: R=Ac</p>	Diaporthales	[93]
5-methylmellein		Xylariales	[96]
<p>Daldinone F (1)</p> <p>Nodulisporin G (2)</p> <p>Dalmanol C (3)</p>	<p>1 2 3</p>	Xylariales	[97]
Xylarenone C (6) and D (7)	<p>6 7</p>	Boliniales	[99]
<p>Greensporone A (1), C (5)</p> <p>Dechlorogreensporone A (4), D (10)</p> <p>O-Desmethylgreensporone C (6)</p>	<p>1: R = Cl 4: R = H 5: R₁ = CH₃ R₂ = H R₃ = H 6: R₁ = H R₂ = H R₃ = H 10: R₁ = CH₃ R₂ = H R₃ = OH</p>	Leotiales	[98]