

## Supplementary material

### Natural Products Diversity From The Endophytic Genus *Aspergillus*

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**Table S1:** a list of other endophytic *Aspergillus* isolated metabolites with no bioactivity

No.	Name	Chemical nature	Species	Source	Ref.			
1	cyclo-(L-Phe-N-ethyl-L-Glu)	Diketopiperazine alkaloids	<i>Aspergillus aculeatus</i>	leaves of <i>Ophiopogon japonicus</i> (Linn. f.)	1			
2	cyclo-(L-Pro-L-Leu)							
3	cyclo-(L-Pro-L-Phe)							
	ergosterol	Sterol	<i>Aspergillus allahabadii</i>	roots of <i>Cinnamomun subavenium</i>	2			
4	cerevisterol							
5	16-amino-isopimar-7-en-19-oic acid							
6	16- $\alpha$ -D-glucopyranosyloxyisopimar-7-en-19-oic acid							
7	16- $\alpha$ -D-mannopyranosyloxyisopimar-7-en-19-oic acid							
8	( <i>R</i> )-(-)-5-methoxycarbonylmellein	isocoumarin						
9	(-)-piliformic acid							
10	7-dechlorogriseofulvin	diphenylether						
11	felinone A	azaphilone				<i>Aspergillus clavatus</i>	leaves of <i>Tripterygium hypoglaucum</i> (Levl.) Hutch	3
12	Cytochalasin Z7	Cytochalasin				<i>Aspergillus flavipes</i>	<i>Suaeda glauca</i> (Bunge)	4
13	Cytochalasin Z13							
14	aspergillazine A	alkaloid						
15	flavipin							
16	N-benzoyl-L-phenylalaninol	alkaloid						
17	(4'E,1S,6S,7R,10S,6'S,7'R)-aspergilloid A	sesquiterpenoids						
18	(1S,6S,7R)-aspergilloid C.							
19	4 $\alpha$ ,8 $\alpha$ -dihydroxyeudesman-11-en-1-one							
20	3-[(4S,5R)-1,3,4,5,6,7-hexahydro5-(1-methylethyl)-3-oxo-4-isobenzofuranyl]-2-(hydroxymethyl)-(2E)-2-propenoic acid	butenloide	<i>Aspergillus flavus</i>	<i>Tylophora ovata</i> Leaves	5			
21	5,9-dihydroxy-2,4,6,8,10-pentamethyldodeca2,6,10-trienal		<i>Aspergillus flocculus</i>	stem of <i>Markhamia platycalyx</i>	6			
22	dihydroaspyrone							
23	Kojic acid							
24	Campsterol	Sterol						
25	<i>trans</i> -4-hydroxymellein	Isocoumarin						
26	5-hydroxymellein							
27	7- <i>O</i> -acetylkojic acid							

28	(methyl-2-(4-hydroxyphenyl)acetate)				
29	Phomaligol A				
30	p-hydroxybenzaldehyde				
31	2-hydroxyphenylacetic acid				
32	4-hydroxyphenylacetic acid				
33	4,5-dihydroxymellein	isocoumarin			
34	spirotryprostatin K				
35	spiro[5H,10H-dipyrrolo[1,2-a:1',2'-d]pyrazine-2(3H),2'-[2H]-indole]-3',5,10(1'H)trione				
36	6-methoxyspirotryprostatin B	Alkaloids	<i>Aspergillus fumigatus</i>	stem of <i>Erythrophloeum fordii</i> Oliv.	7
	pseurotin A				
37	N-β-acetyltryptamine				
38	Lumichrome				
	ergosteryl peroxide	sterol			
39	helvolic acid				
40	emodin 1,6-dimethyl ether	Anthraquinone			
41	isorhodoptilometrins				
42	monomethylsulochrin	Diphenyl ether	<i>Aspergillus fumigatus</i>	<i>Diphylleia sinensis</i> . L (WO-ER-CHI)	8
	trypacidin				
	fumigaclavine C				
43	fumigaclavine A	Alkaloids			
	fumiquinazoline C				
	pseurotin A				
44	Brevianamide F	Alkaloids	<i>Aspergillus fumigatus</i>	Chinese liverwort <i>Heteroscyphus tener</i> (Steph.)Schiffn	9
	pseurotin A				
45	1,2-seco-trypacidin				
46	sulochrin				
47	questin				
48	8'-O-methylasterricacid				
	pseurotin A				
49	pseurotin D	Alkaloids	<i>Aspergillus fumigatus</i>	<i>Grewia asiatica</i> L.	10
50	pseurotin F2				
51	fumagillin				
52	tryprostatin C				
	gliotoxin				
53	bis(methylthio)gliotoxin				
	gliotoxin				
54	5a,6-dihydrobis dethio-3,10a-bis(methylthio)gliotoxin	Alkaloids	<i>Aspergillus fumigatus</i>	<i>Ligusticum wallichii</i>	11
	verruculogen				
	12,13-dihydroxyfomitremorgin C				
55	fumiquinazoline A				
56	cyclo-((S)-Pro-(R)-Val)				

	pseurotin A				
57	cyclo-((S)-Pro-(R)-Ile)				
58	cephalimysin A				
59	secochhalasins A	cytochalasins	<i>Aspergillus micronesiensis</i>	The roots of <i>Phyllanthus glaucus</i>	12
60	secochhalasins B				
61	5, 10-dihydrophenazine-1-carboxylic acid	Alkaloid	<i>Aspergillus nidulans</i>	<i>Nyctanthes arbor-tristis</i> Linn	13
	ergosterol	Sterol			
62	1-hydroxy-3-methylxanthone	xanthone			
63	cyclo(D-Phe-L-Trp)	Alkaloids	<i>Aspergillus niger</i>	liverwort <i>Heteroscyphus tener</i> (Steph.) Schiffn	14
64	cyclo(L-Trp-L-Trp)				
65	4-(hydroxymethyl)5,6-dihydro-pyran-2-one				
66	walterolactone A				
67	campyrones A				
68	campyrones B				
69	campyrones C				
70	Trypacidin A	Diphenyl ether	<i>Aspergillus niger</i>	stems of <i>Acanthus montanus</i>	15
71	Tabaisocoumarin A	Isocoumarin derivatives	<i>Aspergillus oryzae</i>	rhizome of <i>Paris polyphylla</i> var. <i>yunnanensis</i>	16
72	Caudacoumarin C				
73	Versicolol B				
74	Exserolide D				
75	Exserolide F				
	Ergosterol	sterol			
76	5-hydroxymethylfuran-3-carboxylic acid		<i>Aspergillus oryzae</i>	<i>Lycium ruthenicum</i> Murr.	17
77	Pyranonigrins A				
	Campyrones A				
78	4- acetamidobutanoic acid				
	Rubrofusarin B				
	Asperpyrones A				
79	fumitremorgin B	Alkaloids	<i>Aspergillus tamarii</i>	roots of <i>Ficus carica</i>	18
	fumitremorgin C				
80	cyclotryprostatin B				
	verruculogen				
81	tryprostatin B				
82	tryprostatin A				
83	cyclotryprostatin A				
84	cyclotryprostatin C				
85	cyclo-(Pro-Trp)				
86	cyclo-(N-methyl-Trp-Leu)				
87	cyclotryprostatin D				
88	13-oxofumitremorgin B				
89	cyclo-(N-Benzyl-Trp-Pro)				
90	stigmasta-4,6,8(14),22-tetraen-3-one	sterol			

	butyrolactone VI	butenolide	<i>Aspergillus terreus</i>	roots of <i>Carthamus lanatus</i>	19
91	terretonin A				20
92	terrotonin				
93	Aspernolides G				
	fumigaclavine C	Alkaloids			
	chaetominine				
94	spirotryprostatin A				
	lumichrome				
95	rhizoctonic acid	Diphenyl ether			
	monomethylsulochrin				
96	asperteretal B	Butenolides	<i>Aspergillus terreus</i>	leaves of <i>Camellia sinensis</i> Var. <i>assamica</i>	21
97	3-hydroxy-5-[[4-hydroxy-3-(methyl-2-buten-1-yl)phenyl]methyl]-4-(4-hydroxyphenyl)-2(5H)furanone				
98	Butyrolactones III				
99	Aspernolides B				
100	Aspernolides D				
101	Aspertzine	Alkaloids	<i>Aspergillus terreus</i>	<i>Camellia sinensis</i> Var. <i>assamica</i>	22
102	Asperimides A	butenolides	<i>Aspergillus terreus</i>	<i>Suriana maritima</i>	23
103	Asperimides B				
104	Cyclo (Gly-L-Pro)	Alkaloids	<i>Aspergillus tubingensis</i>	<i>Brucea javanica</i> (L.) Merr.	24
105	Cyclo (Ala-Leu)				
	Aspernolides A	Butenolides	<i>Aspergillus versicolor</i>	rhizomes of <i>Paris polyphylla</i> var. <i>Yunnanensis</i>	25
	Aspernolides B				
	butyrolactone I	Butenolides	<i>Aspergillus versicolor</i>	roots of <i>Pulicaria crispa</i>	26
	butyrolactone VI				
	aspernolide L				
	aspernolide M				
106	1- <i>O</i> -acetylglycerol				
107	(+) alantrypinone				
108	6,6',9'-trinor-bipenicilisorin		<i>Aspergillus versicolor</i>	aquatic plant <i>Eichhornia crassipes</i>	27
109	6, 6'-dinor-bipenicilisorin				
110	aflaquinolones A	Alkaloids			
111	aflaquinolones B				
112	aflaquinolones D				
113	aniduquinolone A				
114	aniduquinolone D				
115	Aspvanicin A				
116	cordyol C	Diphenyl ether			
117	methyl orsellinate				
118	orsellinic acid				
	$\rho$ -hydroxybenzaldehyde				

119	fusarubin		co-cultivation of <i>B.subtilis</i> with <i>Aspergillus versicolor</i>		28	
120	infectopyrone					
121	versiol					
122	asteltoxin	Prenyl Asteltoxin Derivatives	<i>Aspergillus versicolor</i>	<i>Huperzia serrata</i>	29	
123	avertoxins A					
124	avertoxins D					
125	Aspertryptanthrin A	Indole diketopiperazine alkaloids	<i>Aspergillus sp</i>	Stem bark of <i>Melia azedarach</i> L.	30	
126	Aspertryptanthrin B					
127	Aspertryptanthrin C					
128	aurasperone B		<i>Aspergillus sp.</i>	seeds of <i>Limonia acidissima</i> L.	31	
129	asperetide		<i>Aspergillus sp. TJ23</i>	leaves of <i>Hypericum perforatum</i> L.	32	
130	(S)-3-butyl-7-methoxyphthalide					
131	tajixanthone methanoate	xanthone				
132	aspergilolide	sesquiterpenoids	<i>Aspergillus sp. MBL1612</i>	root bark of <i>Paeonia ostii</i>	33	
	helvolic acid					
	verruculogen	Alkaloids				
	tryprostatin B					
	13-oxofumitremorgin B					
	fumitremorgin C					
133	demethoxy fumitremorgin C					
134	terezine D					
135	azonalenin					
	12, 13-dihydroxyfumitremorgin C					
136	Aspergillitine		Alkaloid	<i>Aspergillus sp.</i>	The rhizome of <i>Zingiber cassumunar</i> Roxb.	34
	ergosterol		sterols	<i>Asperillus Sp. EJC08</i>	<i>Bauhinia guianensis</i>	35
	ergosterol peroxide					
137	mevalonolactone					
138	4-O-methylprenylterphenyllin	p-terphenyls	<i>Aspergillus sp.</i>	<i>Ginkgo biloba</i> leaves	36	
139	3'-O-methylterphenyllin					
140	4-O-methoxyterphenyllin					
141	4"-O-methoxyterphenyllin					
142	terphenyllin					
143	prenylcandidusin B					
144	prenylcandidusin C					

145	Aspergillusanone C	Phenalenones	<i>Aspergillus Sp.</i>	tubers of <i>Pinellia ternata</i>	37			
146	asperphenalenones B	Phenalenones	<i>Aspergillus sp. CPCC 400735</i>	<i>Kadsura longipedunculata</i>	38			
147	asperphenalenones C							
148	asperphenalenones E							
149	Aspochalasin R	Cytochalasins						
	Rosellichalasin							
	cytochalasin Z <sub>17</sub>							
150	cytochalasin Z <sub>9</sub>							
151	cytochalasin Z <sub>7</sub>							
	cytochalasin Z <sub>13</sub>	Butenolides						
152	Aspulvinone R							
153	aspulvinone Q							
154	aspulvinone P							
155	aspulvinone E							
156	3',4',4'-trihydroxypulvinone							
157	3,4,4'-trihydroxypulvinone							
158	aspernolide H							
159	aspernolide I							
160	aspernolide K							
	butyrolactone II	Diphenyl ether						
161	2-O-methyl butyrolactone II							
162	epicoccolide B							
163	1,3-dihydro-4,6-dihydroxy-7-methylisobenzofuran							
164	monomethylosoic acid							
165	asteric acid							
166	methyl-dichloroasterrate							
	sulochrin							
167	dihydrogeodin							
168	Aspergilates A	globoscinic acid derivatives				<i>Aspergillus Sp.</i>	bark of <i>Paeonia ostii</i>	39
169	Aspergilates B							
170	Aspergilates C							
171	Aspergilates D							
172	Aspergilates E							
	sterigmatocystin	Xanthenes				<i>Aspergillus sp. ASCLA</i>	leaves of <i>Callistemon subulatus</i>	40
173	arugosin C							
174	norlichexanthone							
	ergosterol							
	diocriinol	Diphenyl ether						
175	methylinoleate							

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