

Supplementary Table 1. Novel anticancer bioactive compounds reported from marine fungi

Sr. No.	Crude extract/isolated metabolite	New / Known	Known Source/ Activity	Endophytic fungal strain	Host plant(s) (family),	Plant part or tissue Locality of host plants	Cell line	(IC50)/Inhibition	References
1	Simplicilliumtides A (1) and G (3)	New		<i>Simplicillium obclavatum</i> EIODSF 020	Deep Sea Sediments	East Indian Ocean	HL-60, K562	64.7 and 100 μ M	Liang et al. 2016
2	Simplicilliumtides E (2) and H (4)	New		<i>Simplicillium obclavatum</i> EIODSF 020	Deep Sea Sediments	East Indian Ocean	K562	39.4 and 73.5 μ M	Liang et al. 2016
3	Acaromycin A (5)	New		<i>Acaromyces ingoldii</i> FS121	Deep Sea Sediments	South China Sea	MCF-7, NCI-H460, SF-268, and HepG-2	<10 μ M	Gao et al. 2016
	(+)-cryptosporin (6)	Known	Marine sediments <i>Streptomyces</i> sp. SCSIO 03219	<i>Acaromyces ingoldii</i> FS121	Deep Sea Sediments	South China Sea	MCF-7, NCI-H460, SF-268, and HepG-2	<10 μ M	Gao et al. 2016
4	Asperolide E (7)	New		<i>Aspergillus wentii</i> SD-310	Deep Sea Sediments	South China Sea	HeLa, MCF-7, and NCI-H446	10.0, 11.0, and 16.0 μ M	Li et al. 2016a
5	Asperethers A-E (8-12)	New		<i>Aspergillus wentii</i> SD-310	Deep Sea Sediments	South China Sea	A549	20, 16, 19, 17, and 20 μ M	Li et al. 2016b
6	Circumdatin G (13)	Known	Marine Derived fungi No cytotoxicity	<i>Aspergillus westerdijkiae</i> SCSIO 05233	Deep Sea Sediments	South China Sea	K562, HL-6	25.8–44.9 μ M	Fredimoses et al. 2015

7	Xanthocillin X (14),	known /	<i>Aspergillus</i> sp. Mycotoxin / Marine cytotoxic	<i>Penicillium commune</i> SD-44	Deep Sea Sediments	South China Sea	MCF-7, HepG2, NCI-H460, HeLa, DU145, and MDA-MB-231,	12.0, 7.0, 10.0, 10.0, 8.0, and 8.0 µg/mL	Shang et al. 2012;
7	Chrysogine (15)	known	Terrestrial mycotoxin / Marine cytotoxic	<i>Penicillium commune</i> SD-44	Deep Sea Sediments	South China Sea	SW1990,	20.0 µg/mL	Zhao et al. 2012
7	Meleagrins (16)	known	Terrestrial mycotoxin / Marine cytotoxic	<i>Penicillium commune</i> SD-44	Deep Sea Sediments	South China Sea	DU145, HepG2, NCIH460, HeLa, and MDA-MB-231	5.0, 12.0, 22.0, 20.0, and 11.0 µg/mL	Zhao et al. 2012
8	Compound (17)	New		<i>Penicillium</i> sp. PR19 N-1	Deep Sea Sediments	Antarctic deep-sea	HL-60, A-549	28.3–45.8 µM	Lin et al. 2014
8	Eremofortine C (18)	New		<i>Penicillium</i> sp. PR19 N-1	Deep Sea Sediments	Antarctic deep-sea	HL-60, A-549	5.2–82.8 µM	
9	Aspiketolactonol (19), Aspilactonols A–F (20–25), Aspyronol (26), and Epiaspinonediol (27)	New		<i>Aspergillus</i> sp. 16-02-1	Deep-sea sediment	Pacific Ocean	K562, HL-60, HeLa, and BGC-823	-	Chen et al. 2014b
	(S)-2-(2'-hydroxyethyl)-4-methyl-γ-butyrolactone (28),	Known	Plant <i>Annona muricata</i> not cytotoxic / marine cytotoxic	<i>Aspergillus</i> sp. 16-02-1	Deep-sea sediment	Pacific Ocean	K562, HL-60, HeLa, and BGC-823	-	Chen et al. 2014b
	Dihydroaspyrone (29),	Known	Marine not cytotoxic	<i>Aspergillus</i> sp. 16-02-1	Deep-sea sediment	Pacific Ocean	K562, HL-60, HeLa, and BGC-823	-	Chen et al. 2014b

	Aspinotriol A (30),	Known	Marine not cytotoxic	<i>Aspergillus</i> sp. 16-02-1	Deep-sea sediment	Pacific Ocean	K562, HL-60, HeLa, and BGC-823	-	Chen et al. 2014b
	Aspinotriol B (31),	Known	Marine not cytotoxic	<i>Aspergillus</i> sp. 16-02-1	Deep-sea sediment	Pacific Ocean	K562, HL-60, HeLa, and BGC-823	-	Chen et al. 2014b
	Chaetoquadrin F (32),	Known	Terrestrial / Marine cytotoxic	<i>Aspergillus</i> sp. 16-02-1	Deep-sea sediment	Pacific Ocean	K562, HL-60, HeLa, and BGC-823	-	Chen et al. 2014b
	cyclo(D-Pro-D-Phe) (33),	Known	Marine bacteria no cytotoxic	<i>Aspergillus versicolor</i> ZBY-3	Deep-sea sediment	South east Pacific sea	K562	IR% 54.6 at 100 µg/mL	Dong et al. 2014
	cyclo(D-Tyr-D-Pro) (34),	Known	Isolated from a natural source no cytotoxic	<i>Aspergillus versicolor</i> ZBY-3	Deep-sea sediment	South east Pacific sea	K562	IR% 72.9 at 100 µg/mL	Dong et al. 2014
10	phenethyl 5-oxo-L-prolinate (35),	New		<i>Aspergillus versicolor</i> ZBY-3	Deep-sea sediment	South east Pacific sea	K562	IR% 23.5 at 100 µg/mL	Dong et al. 2014
	cyclo(L-Ile-L-Pro) (36),	Known	From bacteria not cytotoxic	<i>Aspergillus versicolor</i> ZBY-3	Deep-sea sediment	South east Pacific sea	K562	IR% 29.6 at 100 µg/mL	Dong et al. 2014
	cyclo(L-Leu-L-Pro) (37),	Known	From endophytic actinomycetes (cytotoxic), <i>Phellinus igniarius</i> (cytotoxic)	<i>Aspergillus versicolor</i> ZBY-3	Deep-sea sediment	South east Pacific sea	K562	IR% 30.9 at 100 µg/mL	Dong et al. 2014
	3β,5α,9α-trihydroxy-(22E,24R)-ergosta-7,22-dien-6-one (38)	known	Mushroom <i>Armillaria lueo-virens</i> , Not cytotoxic	<i>Aspergillus versicolor</i> ZBY-3	Deep-sea sediment	South east Pacific sea	K562	IR% 51.1 at 100 µg/mL	Dong et al. 2014

11	Engyodontiumones H (39)	New	Soil sample , <i>Aspergillus</i> sp. Y80118	<i>Engyodontium album</i> DFFSCS021	Deep-sea sediment	South China Sea	U937	4.9 μ M	Yao et al. 2014
	Polyketides- AGI-B4 (40)	known	Soil sample , <i>Aspergillus</i> sp. Y80118	<i>Engyodontium album</i> DFFSCS021	Deep-sea sediment	South China Sea	U937	8.8 μ M	Yao et al. 2014
11	Compound (41)	New		<i>Penicillium</i> sp. PR19N-1	Antarctic deep-sea sediment	Antarctic	HL-60 and A549	11.8 \pm 0.2, 12.2 \pm 0.1 μ M	Wu et al. 2013
12	Wentilactone A (42)	Known	<i>Aspergillus wentii</i> Wehmer (NRRL 6435) from peanuts	<i>Aspergillus dimorphicus</i> SD317	Deep-sea sediment	South China Sea	Induce apoptosis and G2/M arrest of human lung carcinoma cells		Xu et al. 2015
	Wentilactone B (43)	Known	<i>Aspergillus wentii</i> Wehmer (NRRL 6435) from peanuts	<i>Aspergillus dimorphicus</i> SD317	Deep-sea sediment	South China Sea	Induce apoptosis and G2/M arrest of human lung carcinoma cells		Xu et al. 2015
13	Compound (44), Compound (45), Compound (46),	known	Terrestrial than marine	<i>Paecilomyces lilacinus</i> ZBY-1	Deep Sea	South China Sea	K562, MCF-7, HL-60, and BGC-823	22.3-139.0 μ M	Cui et al. 2013
	Cerebroside A-D (47-50)	known	Terrestrial than marine	<i>Paecilomyces lilacinus</i> ZBY-1	Deep Sea	South China Sea	K562, MCF-7, HL-60, and BGC-823	22.3-139.0 μ M	Cui et al. 2013
14	5-Chlorosclerotiamide (51),	New		<i>Aspergillus westerdijkiae</i> DFFSC S013	Deep-sea sediment	South China Sea	K562	44 μ M	Peng et al. 2013
	10-epi-sclerotiamide (52)	New		<i>Aspergillus westerdijkiae</i> DFFSC S014	Deep-sea sediment	South China Sea	K563	53 μ M	Peng et al. 2013

15	Luteoalbusin A (53),	New		<i>Acrostalagmus luteoalbus</i> SCSIO F457	Deep-sea sediment	South China Sea	SF-268 MCF-7 NCI-H460 HepG-2	0.46 , 0.23 , 1.15 , 0.91 µM	Wang et al. 2012
	Luteoalbusin B (54)	New		<i>Acrostalagmus luteoalbus</i> SCSIO F458	Deep-sea sediment	South China Sea	SF-268 MCF-7 NCI-H460 HepG-2	0.59 , 0.25 , 1.29 µM	Wang et al. 2012
	T988A (55)	known	Terrestrial Cytotoxic /Marine cytotoxic	<i>Acrostalagmus luteoalbus</i> SCSIO F459	Deep-sea sediment	South China Sea	SF-268 MCF-7 NCI-H460 HepG-2	Range of 0.91 to 17.78 µM	Wang et al. 2012
	Gliocladine C (56)	known	Terrestrial / Marine cytotoxic	<i>Acrostalagmus luteoalbus</i> SCSIO F460	Deep-sea sediment	South China Sea	SF-268 MCF-7 NCI-H460 HepG-2	Range of 0.91 to 17.78 µM	Wang et al. 2012
	Gliocladine D (57)	known	Terrestrial / Marine cytotoxic	<i>Acrostalagmus luteoalbus</i> SCSIO F461	Deep-sea sediment	South China Sea	SF-268 MCF-7 NCI-H460 HepG-2	Range of 0.91 to 17.78 µM	Wang et al. 2012
16	Brevione I-(58),	New		<i>Penicillium</i> sp	Deep Sea Sediments	East Pacific Ocean	MCF-7	7.44	Li et al. 2012
	Brevione A (59)	known	Terrestrial No cytotoxic / Marine cytotoxic	<i>Penicillium</i> sp	Deep Sea Sediments	East Pacific Ocean	MCF-7	28.4 µM	Li et al. 2012
	Brevione I-(58),	New		<i>Penicillium</i> sp	Deep Sea Sediments	East Pacific Ocean	A549	32.5 µM	Li et al. 2012
17	Varioloid A (60),	New		<i>Paecilomyces variotii</i> EN-291	<i>Grateloupia turuturu</i> , a marine red alga	Coast of Qingdao, P. R. China,	A549, HCT116, HepG2	Range of 2.6 - 8.2 µg/mL	Zhang et al. 2016
	Varioloid B (61)	New		<i>Paecilomyces variotii</i> EN-291	<i>Grateloupia turuturu</i> , a marine red alga	Coast of Qingdao, P. R. China,	A549, HCT116, HepG2	Range of 2.6 - 8.2 µg/mL	Zhang et al. 2016

18	6 β ,9 α -dihydroxy-14-p-nitrobenzoylcinnamolide (62),	New		<i>Aspergillus ochraceus</i> Jcma1F17	Marine alga <i>Coelarthrum</i> sp.	Paracel Islands, South China Sea	H1975, U937, K562, BGC-823, Molt-4, MCF-7, A549, HeLa, HL60, and Huh-7	Range of 1.95 to 6.35 μ M	Fang et al. 2014
18	Insulicolide A (63)	known	Terrestrial / Marine cytotoxic	<i>Aspergillus ochraceus</i> Jcma1F17	Marine alga <i>Coelarthrum</i> sp.	Paracel Islands, South China Sea	H1975, U937, K562, BGC-823, Molt-4, MCF-7, A549, HeLa, HL60, and Huh-7	Range of 1.95 to 6.35 μ M	Fang et al. 2014
19	Physcion (64)	known	Both terrestrial and marine sources Cytotoxic	<i>Microsporium</i> sp.	Marine red alga <i>Lomentaria catenata</i> ,	Guryongpo, NamGu, PoHang in Republic of Korea	HeLa	Induces apoptotic cell death in HeLa cells in the association with activating expressions of caspase family enzymes and p53 followed by Bax and Bcl-2 regulation.	Wijesekara et al. 2014

20	Neoechinulin A (65)	Known	/Marine derived fungi	<i>Microsporium</i> sp.	Marine red alga <i>Lomentaria catenata</i> ,	Guryongpo, NamGu, PoHang in Republic of Korea	HeLa Cell lines	Induce cell apoptosis through down-regulating of Bcl-2 expression, up-regulating of Bax expression, and activating the caspase-3 pathway	Wijesekara et al. 2013
21	Asperolide A B (66, 67)	New		<i>Aspergillus wentii</i> EN-48	<i>Sargassum</i> sp	China Sea	HeLa, HepG2, MCF-7, MDA-MB-231, NCI-H460, SMMC-7721, and SW1990	Moderate activity. In the range of 28 - 97 μ M	Sun et al. 2012
	Tetranorditerpenoid derivative (68)	known	Terrestrial Fungus <i>Sclerotinia homoeocarpa</i> , no cytotoxic	<i>Aspergillus wentii</i> EN-48	<i>Sargassum</i> sp	China Sea	HeLa, HepG2, MCF-7, MDA-MB-231, NCI-H460, SMMC-7721, and SW1990	Moderate activity In the range of 28 - 97 μ M	Sun et al. 2012
	Wentilactone A (42)	Known,	<i>Aspergillus wentii</i> Wehmer (NRRL 6435) from peanuts	<i>Aspergillus wentii</i> EN-48	<i>Sargassum</i> sp	China Sea	HeLa, HepG2, MCF-7, MDA-MB-231, NCI-H460, SMMC-7721, and SW1990	Moderate activity In the range of 28 - 97 μ M	Sun et al. 2012

	Wentilactone B (43)	Known	<i>Aspergillus wentii</i> Wehmer (NRRL 6435) from peanuts	<i>Aspergillus wentii</i> EN-48	<i>Sargassum</i> sp	China Sea	HeLa, HepG2, MCF-7, MDA-MB-231, NCI-H460, SMMC-7721, and SW1990	Moderate activity In the range of 28 - 97 μ M	Sun et al. 2012
	Wentilactoneand B (43)	Known	<i>Aspergillus wentii</i> Wehmer (NRRL 6435) from peanuts	<i>Aspergillus wentii</i> EN-48	<i>Sargassum</i> sp	China Sea	HeLa, HepG2, MCF-7, MDA-MB-231, NCI-H460, SMMC-7721, and SW1990	17 μ M	Sun et al. 2012
22	Spirobrocazines C (69)	New		<i>Penicillium brocae</i> MA-231	Mangrove plant <i>Avicennia marina</i>	Hainan Island, P. R. China	A2780	59 μ M	Meng et al. 2016
	Brocazine G (70)	New		<i>Penicillium brocae</i> MA-231	Mangrove plant <i>Avicennia marina</i>	Hainan Island, P. R. China	A2780 and A2780 CisR	664 nM , 661 nM	Meng et al. 2016
23	2,4-Dihydroxy-6-nonylbenzoate (71)	known	Merine cytotoxic	<i>Lasiodiplodia</i> sp. 318	<i>Excoecaria agallocha</i>	Guangdong Province, China	MMQ, GH3	5.29 μ M, 13.05 μ M	Huang et al. 2017
24	Chloropreussomerins A and B (72,73)	New		<i>Lasiodiplodia theobromae</i> ZJ-HQ1	<i>Acanthus ilicifolius</i>	Guangdong Province, China	A549 and MCF-7	Range of 5.9-8.9 μ M	Chen et al. 2016
	preussomerin K (74),	known	Endophytic fungus no cytotoxic	<i>Lasiodiplodia theobromae</i> ZJ-HQ1	<i>Acanthus ilicifolius</i>	Guangdong Province, China	A549, HepG2, MCF-7	Range of 2.5-9.4 μ M	Chen et al. 2016

	Preussomerin H (75)	known	Endophytes no cytotoxic	<i>Lasiodiplodia theobromae</i> ZJ-HQ1	<i>Acanthus ilicifolius</i>	Guangdong Province, China	A549, HepG2, MCF-7	Range of 2.5-9.4 μ M	Chen et al. 2016
	Preussomerin G (76)	known	Corprophilus fungus <i>Preussia isomera</i> and the endophytic fungus <i>Harmonema dematioides</i> cytotoxic	<i>Lasiodiplodia theobromae</i> ZJ-HQ1	<i>Acanthus ilicifolius</i>	Guangdong Province, China	A549, HepG2, MCF-7	Range of 2.5-9.4 μ M	Chen et al. 2016
	Preussomerin F (77)	known	Coporophilous fungus no cytotoxic	<i>Lasiodiplodia theobromae</i> ZJ-HQ1	<i>Acanthus ilicifolius</i>	Guangdong Province, China	A549, HepG2, MCF-7	Range of 2.5-9.4 μ M	Chen et al. 2016
25	7-O-methylnigrosporolide (78) Pestalotioprolide D-F (79-81)	New		<i>Pestalotiopsis microspore</i>	<i>Drepanocarpus lunatus</i>	Cameroon	L5178Y, A2780	0.7, 5.6, 3.4, and 3.9 μ M	Liu et al. 2016
	Pestalotioprolide E (80)	New		<i>Pestalotiopsis microspore</i>	<i>Drepanocarpus lunatus</i>	Cameroon	A2780	1.2 μ M	Liu et al. 2016
26	Campyridone D (82)	New		<i>Campylocarpon</i> sp. HDN13-307	<i>Sonneratia caseolaris</i>	PR China	HeLa	8.8 μ M	Zhu et al. 2016
	Illicicolin H (83)	Known	Terrestrial / Marine cytotoxic	<i>Campylocarpon</i> sp. HDN13-307	<i>Sonneratia caseolaris</i>	PR China	HeLa	4.7 μ M	Zhu et al. 2016
27	Dihydroaltersolanol C (84),	New		<i>Stemphylium globuliferum</i>	<i>Avicennia marina</i>	Hurghada in Egypt	L5178Y	3.4 μ M	Moussa et al. 2016, Liu et al. 2015, Debbab, et al. 2012
	Altersolanol A (85),	known	Terrestrial, Cytotoxic Endophytes	<i>Stemphylium globuliferum</i>	<i>Avicennia marina</i>	Hurghada in Egypt	L5178Y	2.53 μ M	Moussa et al. 2016, Liu et al. 2015,

									Debbab, et al. 2012
	Altersolanol B (86)	known	Terrestrial, Cytotoxic Endophytes	<i>Stemphylium globuliferum</i>	<i>Avicennia marina</i>	Hurghada in Egypt	L5178Y	3.78 μ M	Moussa et al. 2016, Liu et al. 2015, Debbab, et al. 2012
	Alterporriol E (88),	New		<i>Stemphylium globuliferum</i>	<i>Avicennia marina</i>	Hurghada in Egypt	L5178Y	6.9 μ M	Moussa et al. 2016, Liu et al. 2015, Debbab, et al. 2012
	Altersolanol N (87)	known	Terrestrial, Cytotoxic Endophytes	<i>Stemphylium globuliferum</i>	<i>Avicennia marina</i>	Hurghada in Egypt	L5178Y	Low micromolar range (% growth - 1.4)	Moussa et al. 2016, Liu et al. 2015, Debbab, et al. 2012
28	Rhizovarins A, B, E (89, 90, 91),	New		<i>Mucor irregularis</i> QEN-189	<i>Rhizophora stylosa</i>	Hainan Island, China	A-549	11.5, 6.3, and 9.2 , μ M	Gao et al. 2016
	Penitrems A,C F (92,93,94),	known	Terrestrial mycotoxin / Marine cytotoxic	<i>Mucor irregularis</i> QEN-189	<i>Rhizophora stylosa</i>	Hainan Island, China	A-549	8.4, 8.0, and 8.2 μ M	Gao et al. 2016
	3 β -hydroxy- 4 β -desoxypaxilline (95)	known	Marine cytotoxic	<i>Mucor irregularis</i> QEN-189	<i>Rhizophora stylosa</i>	Hainan Island, China	A-549	4.6 μ M	Gao et al. 2016
	Rhizovarin A B (89,90),	New		<i>Mucor irregularis</i> QEN-189	<i>Rhizophora stylosa</i>	Hainan Island, China	HL-60	9.6, 5.0, μ M	Gao et al. 2016
	Penitrems A,C F (92,93,94),	known	Terrestrial mycotoxin / Marine cytotoxic	<i>Mucor irregularis</i> QEN-189	<i>Rhizophora stylosa</i>	Hainan Island, China	HL-60	7.0,4.7, 3.3 μ M	Gao et al. 2016

	3 β -hydroxy- 4 β -desoxy-paxilline (95)	known	Known / Marine cytotoxic	<i>Mucor irregularis</i> QEN-189	<i>Rhizophora stylosa</i>	Hainan Island, China	HL-61	2.6 μ M	Gao et al. 2016
29	Pestalpolyol I (96)	New		<i>Pestalotiopsis clavispora</i>	<i>Rhizophora harrisonii</i>	Port Harcourt (Nigeria)	L5178Y	4.10 μ M	Perez et al. 2016
30	Rhytidchromones A, B,C and E, (97,98,99,100)	New		<i>Rhytidhysteron rufulum</i>	<i>Bruguiera gymnorrhiza</i>	Prachuab Kiri Khan Province, Thailand	Kato-3	16.0 to 23.3 μ M	Chokpaiboon et al. 2016
	Rhytidchromones A, C (97, 99)	New		<i>Rhytidhysteron rufulum</i>	<i>Bruguiera gymnorrhiza</i>	Prachuab Kiri Khan Province, Thailand	MCF-7	19.3 and 17.7 μ M	Chokpaiboon et al. 2016
31	Ethyl-2,4-dihydroxy-6-(80 -hydroxynonyl)-benzoate (101)	New		<i>Lasiodiplodia</i> sp. 318	<i>Excoecaria agallocha</i>	Guangdong Province, China	MDA-MB-435, HepG2,HCT-116, A549, THP1	10.13, 12.50, 11.92, 13.31 , 39.74 μ M	Li et al. 2016c
32	Beauvericin (102)	Known	Terrestrial No cytotoxic , Marine cytotoxic	<i>Fusarium</i> sp. (No. DZ27)	Mangrove-derived endophytic fungus	South China Sea	KB and KBv200	5.76 \pm 0.55, 5.34 \pm 0.09 μ M	Tao et al. 2015
33	4-(2',3'-dihydroxy-3'-methyl-butanoxy)-phenethanol (103)	New		<i>Penicillium</i> sp.FJ-1	<i>Avicennia marina</i>	Fujian, China	Tca8113 and MG-63	26 , 35 μ M	Zheng et al. 2014
33	15- hydroxy-6 α ,12-epoxy-7 β ,10 α H,11 β H-spiroax-4-ene-12-one (104)	New		<i>Penicillium</i> sp.FJ-2	<i>Avicennia marina</i>	Fujian, China	Tca8113, WRL-68, MG-63	10, 58 μ M, 55 nM	Zheng et al. 2014
34	3,4-seco-sonderianol (105)	Known	<i>Trigonostemon chinensis</i> plant antimicrobial Marine cytotoxic	Endophytic fungus J3	Mangrove plant <i>Ceriops tagal</i>	Hainan province, China	K562, SGC-7901, BEL-7402	9.2 , 15.7 , 25.4 μ g/mL	Zeng et al. 2015

35	Waal A (106),	known	Terrestrial No cytotoxic , Marine cytotoxic	<i>Acremonium strictum</i>	<i>Rhizophora apiculata</i>	Island of CatBa, Vietnam	human cisplatin-sensitive, A2780	27.1 μ M	Hammerschmidt et al. 2014
	Pestalotiopene A (107)	known	Mangroove fungi, week cytotoxic , Marine cytotoxic	<i>Acremonium strictum</i>	<i>Rhizophora apiculata</i>	Island of CatBa, Vietnam	human cisplatin-sensitive, A2780	76.2 μ M	Hammerschmidt et al. 2014
	Cytosporone E (108)	known	Endophytic fungi Cytospor, Marine cytotoxic	<i>Acremonium strictum</i>	<i>Rhizophora apiculata</i>	Island of CatBa, Vietnam	human cisplatin-sensitive, A2780	8.3 μ M	Hammerschmidt et al. 2014
	Waal A (106),	known	Terrestrial, Marine cytotoxic	<i>Acremonium strictum</i>	<i>Rhizophora apiculata</i>	Island of CatBa, Vietnam	human cisplatin-Resistant Resistant	12.6 μ M	Hammerschmidt et al. 2014
	Pestalotiopene A (107)	known	Mangroove fungi, week cytotoxic , Marine cytotoxic	<i>Acremonium strictum</i>	<i>Rhizophora apiculata</i>	Island of CatBa, Vietnam	human cisplatin-Resistant Resistant	30.1 μ M	Hammerschmidt et al. 2014
	Cytosporone E (108)	known	Endophytic fungi Cytospor, Marine cytotoxic	<i>Acremonium strictum</i>	<i>Rhizophora apiculata</i>	Island of CatBa, Vietnam	human cisplatin-Resistant Resistant	19.0 μ M	Hammerschmidt et al. 2014
36	Dothiorelone F (109),	New		<i>Dothiorella</i> sp.	<i>Aegiceras corniculatum</i>	Fujian Province of China	Raji cancer	2 μ g/mL	Du et al. 2014
	Dothiorelone G (110)	Known	(Cytospore B) Endophyte plant not identified No cytotoxic	<i>Dothiorella</i> sp.	<i>Aegiceras corniculatum</i>	Fujian Province of China	Raji cancer	2 μ g/mL	Du et al. 2014

37	3 β ,5 α -dihydroxy-(22 <i>E</i> ,24 <i>R</i>)-ergosta-7,22-dien-6-one (111),	Known	Fist time ntural source	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	MCF-7,	4.98 μ M	Deng et al. 2013a
	3 β ,5 α -dihydroxy-(22 <i>E</i> ,24 <i>R</i>)-ergosta-7,22-dien-6-one (111),	Known	Fist time ntural source	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	A549,	1.95 μ M	Deng et al. 2013a
	3 β ,5 α -dihydroxy-(22 <i>E</i> ,24 <i>R</i>)-ergosta-7,22-dien-6-one (111),	Known	Fist time ntural source	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	Hela and	0.68 μ M	Deng et al. 2013a
	3 β ,5 α -dihydroxy-(22 <i>E</i> ,24 <i>R</i>)-ergosta-7,22-dien-6-one (111),	Known	Fist time ntural source	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	KB	1.50 μ M	Deng et al. 2013a
	Beauvericin (102)	Known	Terrestrial cytotoxic , Marine cytotoxic	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	MCF-7,	2.02 μ M	Deng et al. 2013a
	Beauvericin (102)	Known	Terrestrial cytotoxic , Marine cytotoxic	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	A549,	0.82 μ M	Deng et al. 2013a
	Beauvericin (102)	Known	Terrestrial cytotoxic , Marine cytotoxic	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	Hela and	1.14 μ M	Deng et al. 2013a
	Beauvericin (102)	Known	Terrestrial cytotoxic , Marine cytotoxic	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	KB	1.10 μ M	Deng et al. 2013a
	3 β ,5 α ,14 α -trihydroxy-(22 <i>E</i> ,24 <i>R</i>)-ergosta-7, 22-dien-6-one (112),	Known	Terrestrial No cytotoxic , Marine cytotoxic	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	MCF-7,	25.4 μ M	Deng et al. 2013a

	3β,5α,14α-trihydroxy-(22 <i>E</i> ,24 <i>R</i>)-ergosta-7, 22-dien-6-one (112),	Known	Terrestrial No cytotoxic , Marine cytotoxic	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	A549,	27.1 μM	Deng et al. 2013a
	3β,5α,14α-trihydroxy-(22 <i>E</i> ,24 <i>R</i>)-ergosta-7, 22-dien-6-one (112),	Known	Terrestrial No cytotoxic , Marine cytotoxic	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	Hela and	24.4 μM	Deng et al. 2013a
	3β,5α,14α-trihydroxy-(22 <i>E</i> ,24 <i>R</i>)-ergosta-7, 22-dien-6-one (112),	Known	Terrestrial No cytotoxic , Marine cytotoxic	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	KB	19.4 μM	Deng et al. 2013a
38	Nigerasterols A (113)	New		<i>Aspergillus niger</i> MA-132	<i>Avicennia marina</i>	Hainan, China	HL60	0.30 , 1.50 μM	Liu et al. 2013
	Nigerasterol B (114)	New		<i>Aspergillus niger</i> MA-132	<i>Avicennia marina</i>	Hainan, China	A549	1.82 , 5.41 μM	Liu et al. 2013
39	4-(methoxymethyl)-7-methoxy-6-methyl-1(3H)-isobenzofuranone (115)	New		<i>Penicillium</i> sp. ZH58	Mangrove endophytic fungus	South China Sea	KB and KB _{v200}	6 , 10 μg/mL	Yang et al. 2013a
40	<i>O</i> -glycoside, 3- <i>O</i> -(6- <i>O</i> - <i>L</i> -arabinopyranosyl)- <i>D</i> -glucopyranosyl-1,4-dimethoxyxanthone (116)	New		<i>Phomopsis</i> sp. (ZH76)	Excoecaria agallocha	Dong Sai of the South China Sea coast	HEp-2 and HepG2	9 and 16 μM	Huang et al. 2013
41	Botryosphaerin F (117)	New		<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	MCF-7 and HL-60	4.49 and 3.43 μM	Deng et al. 2013b
	LLZ1271βCompound (118)	Known	Endophytes No Cytotoxic / , Marine cytotoxic	<i>Aspergillus terreus</i> (No. GX7-3B)	<i>Bruguiera gymnoihiza</i> (Linn.)	South China Sea	MCF-7 and HL-60	4.49 and 3.43 μM	Deng et al. 2013b

42	5-methyl-8-(3-methylbut-2-enyl) furanocoumarin (119)	New		<i>Penicillium</i> sp. ZH16	Mangrove tree Avicennia sp.	South China Sea	KB and KBv200	5 and 10 µg/ mL	Huang et al. 2012
43	Pullularin A (120),	known	From endopytes/ week cytotoxic	<i>Bionectria ochroleuca</i>	<i>Sonneratia caseolaris</i>	China	L5178Y	0.1 to 6.7 µg/mL	Ebrahim et al. 2012
	Pullularin C (121),	known	From endophytes/Cyt otoxic / Marine cytotoxic	<i>Bionectria ochroleuca</i>	<i>Sonneratia caseolaris</i>	China	L5178Y	0.1 to 6.7 µg/mL	Ebrahim et al. 2012
	Verticillin D (122),	known	Mycoparasite Gliocladium catenulatum / Marine cytotoxic	<i>Bionectria ochroleuca</i>	<i>Sonneratia caseolaris</i>	China	L5178Y	0.1 to 6.7 µg/mL	Ebrahim et al. 2012
	Pullularins E and F (123 , 124)	New		<i>Bionectria ochroleuca</i>	<i>Sonneratia caseolaris</i>	China	L5178Y	0.1 to 6.7 µg/mL	Ebrahim et al. 2012
44	Meroterpenes (125- 126)	New		<i>Penicillium</i> sp. 303	Sea water	China	MDA-MB- 435, HepG2, HCT-116, A549	Moderate cytotoxic activity (in the range of 11-37 µg/mL)	Li et al. 2014a
	Bisdiketone derivative (127)	New		<i>Penicillium</i> sp. 303	Sea water	China	MDA-MB- 435	7.13 µM	Li et al. 2014a
45	Ditryptophenaline (128)	known	Terrestrial/ Marine cytotoxic	Endophytic fungus No-Gx-3a	Mangrove endophytic fungus	South China sea	KB, KBv200	8.0 µM and 12.0µM	Yang et al. 2013b
46	Compound (129)	New		<i>Phomopsis</i> sp. (No. SK7RN3G1	Mangrove sediment	Hainan, China	HEp-2 and HepG2	8 and 9 µg/mL	Yang et al. 2013c
47	2,3-didehydro-19α- hydroxy-14- epicochlioquinone B (130)	New		<i>Nigrospora</i> sp. MA75	<i>Pongamia pinnata</i>	Guangxi Zhuang Autonomo us Region of China	MCF-7, SW1990, and SMMC7721	4, 5, and 7 µg/mL	Shang et al. 2012

48	1,4-dihydroxy-7-methylanthracene-9,10-dione (131)	known		Mangrove endophytic fungus No.5094	Unidentified Mangroove	South China Sea	KB, KBv200	LD ₅₀ values of 5.5,10.2 μM	Yang et al. 2013d
49	Scopararane I (132)	New		<i>Eutypella</i> sp. FS46	Marine sediment	South China Sea	MCF-7, NCI-H460 and SF-268	83.9, 13.5, 25.3 μg/ mL	Liu et al. 2016
	Pseurotin A (133), Pseurotin D (134)	known	Terrestrial endophytic cytotoxic / Marine cytotoxic	<i>Aspergillus</i> sp. (BRF 030)	Marine sediment	Northeast coast of Brazil	HCT-116	72.0, 85.0, 15.1 and 4.5 μM	Saraiva et al. 2015
50	Fumitremorgin C (135) and 12,13-dihydroxy Fumitremorgin C (136).	known	Trrestrial Cytotoxic,/ Marine cytotoxic	<i>Aspergillus</i> sp. (BRF 030)	Marine sediment	Northeast coast of Brazil	HCT-116	72.0, 85.0, 15.1 and 4.5 μM	Saraiva et al. 2015
51	Tryptoquivaline T (137)	New		<i>Neosartorya fischeri</i>	Marine mud	Hainan Province of China	HL-60	82.3 μM	Wu et al. 2015
	Tryptoquivaline U (138)	New		<i>Neosartorya fischeri</i>	Marine mud	Hainan Province of China	HL-60	90.0 μM	Wu et al. 2015
	Fiscalin B (139)	Known	terrestrial no cytotoxic	<i>Neosartorya fischeri</i>	Marine mud	Hainan Province of China	HL-60	8.8 μM	Wu et al. 2015
52	Penipacid A (140)	New		<i>Penicillium paneum</i> SD-44	Marine sediment	South China Sea	RKO	8.4 μM	Li et al. 2013
	Penipacid E (141)	New		<i>Penicillium paneum</i> SD-44	Marine sediment	South China Sea	RKO	9.7 μM	Li et al. 2013
	Compound (142)	known,	synthetic	<i>Penicillium paneum</i> SD-44	Marine sediment	South China Sea	HeLa	6.6 μM	Li et al. 2013
53	Prenpenicillide (143)	New		<i>Penicillium</i> sp. ZLN29	Marine sediment	Jiaozhou Bay of China	HepG2	9.9 μM	Gao et al. 2013

	Penicillide (144)	Know	Endophytic fungi Pestalotiopsis sydowiana , Proteosome inhibitor , Marine cytotoxic	<i>Penicillium</i> sp. ZLN29	Marine sediment	Jiaozhou Bay of China	HepG2	9.7 μ M	Gao et al. 2013
54	Decumbenone C (145)	New		<i>Aspergillus sulphureus</i> KMM 4640	Marine sediment		SK-MEL-5	0.9 μ M	Zhuravleva et al. 2012
55	6-O-methyl-7-chloroaveratin (146)	New		<i>Aspergillus</i> sp. SCSIO F063	Marine sediment	South China Sea	SF-268, MCF-7, and NCI-H460	7.1, 6.6, and 7.4 μ M	Huang et al. 2012
56	Scopararane D (147)	New		<i>Eutypella scoparia</i> FS26	Marine sediment	South China Sea	MCF-7, NCI-H460, SF-268	IC ₅₀ 25.6-46.0 μ M	Sun et al. 2012
	Libertellenone A (148) Diaporthein B (149)	Known	From <i>Eutypella scoparia</i> FS26	<i>Eutypella scoparia</i> FS26	Marine sediment	South China Sea	MCF-7, NCI-H460, SF-268	IC ₅₀ 4.4–20.0 μ M	Sun et al. 2012
57	Cytochalasin K (150),	known	Terrestrial mycotoxin/ marine cytotoxic	<i>Arthrinium arundinis</i> ZSDS1-F3	<i>Phakellia fusca</i>	Xisha Islands of China	K562, A549, Huh-7, H1975, HL60, HeLa, and MOLT-4	10.5 to 47.4 μ M	Wang et al. 2015
	10-phenyl-[12]-cytochalasin Z16 (151)	known	Endophytes no cytotoxicity /	<i>Arthrinium arundinis</i> ZSDS1-F3	<i>Phakellia fusca</i>	Xisha Islands of China	K562, A549, Huh-7, H1975, HL60, HeLa, and MOLT-4	1.13 to 18.8 μ M	Wang et al. 2015
58	Aszonapyrone A (152)	known	Terrestrial / Marine cytotoxic	<i>Neosartorya fischeri</i> (KUFC 6344)	Coastal forest soil	Chonburi Province, Thailand	MCF-7 NCI-H460 and A375-C5	GI ₅₀ = 13.6, 11.6 and 10.2 μ M.	Eamvijarn et al. 2013

	13-oxofomitremorgin B (153)	known	Terrestrial Cytotoxic	<i>Neosartorya fischeri</i> (KUFC 6344)	Coastal forest soil	Chonburi Province, Thailand	MCF-7 NCI-H460 and A375-C5	GI ₅₀ = 115.0, 123.31 and 68.6 μM,	Eamvijarn et al. 2013
	Sartorypyrone A (154)	known	Marine/cytotoxic	<i>Neosartorya fischeri</i> (KUFC 6344)	Coastal forest soil	Chonburi Province, Thailand	A375-C5, MCF-7 NCI-H460	GI ₅₀ =21.5, 46.3 and 37.3 μM	Eamvijarn et al. 2013
	Sartorypyrone B (155)	known	Marine/cytotoxic	<i>Neosartorya fischeri</i> (KUFC 6344)	Coastal forest soil	Chonburi Province, Thailand	MCF-7 NCI-H460 and A375-C5	GI ₅₀ =17.8 μM, 20.5 μM and 25.0 μM	Eamvijarn et al. 2013
59	Disydonol A (156)	New		<i>Aspergillus</i> sp.	<i>Xestospongia testudinaria</i>	South China Sea	HepG-2 and Caski cancer	9.31 and 12.40 μg/mL	Sun et al 2012
	Disydonol C (157)	New		<i>Aspergillus</i> sp.	<i>Xestospongia testudinaria</i>	South China Sea	HepG-2 and Caski cancer	2.91 and 10.20 μg/mL	Sun et al 2012
60	Xestospongiamide (158)	New		<i>Xestospongia</i> sp.	Red Sea sponge <i>Xestospongia</i> sp	Jeddah, Saudi Arabia	Ehrlich ascites carcinoma and lymphocytic leukemia	5.0 μM	Ayyad et al. 2015
61	Marilines A1, A2 (159, 160)	New		<i>Stachylidium</i> sp.	Sponge <i>Callyspongia</i> cf. <i>C. flammea</i>	NA	HLE	0.86 μM	Almeida et al. 2012
62	4-(3-Hydroxyphenyl)-3-methoxyquinolin-2(1H)-one (161)	New		<i>Aspergillus versicolor</i> Y31-2	Seawater samples	Indian Ocean	MCF-7, SMMC-7721	16.6 and 18.2 μM	Li et al. 2016d
63	Penicilazaphilone B (162)	New		<i>Penicillium sclerotiorum</i> M-22	Rotted leaf sample	Hainan province, China	B-16	0.29, 0.44 and	Zhou et al. 2016
	Penicilazaphilone C (163)	New		<i>Penicillium sclerotiorum</i> M-22	Rotted leaf sample	Hainan province, China	SGC-7901	0.06, 0.72 μM	Zhou et al. 2016
64	5-hydroxymethyl-2-furancarboxaldehyde (164)	known Terrestrial		<i>Penicillium chrysogenum</i> HGQ6	Mud sample	Lianyungang sea	BGC823	0.19 μg/mL	Guo et al. 2016

65	Epiremisorpine B (165)	New		<i>Penicillium purpurogenum</i> G59	Soil sample	Tideland of Bohai Bay around Lüjühe in Tanggu district of Tianjin, China,	K562, HL-60HL-60	69.0 and 62.9 µg/mL	Xia et al. 2015
	Epiremisorpine B1 (166)	New		<i>Penicillium purpurogenum</i> G59	Soil sample	Tideland of Bohai Bay around Lüjühe in Tanggu district of Tianjin, China,	K562, HL-60HL-60	53.1 and 54.7 µg/mL	Xia et al. 2015
	Isoconiochaetone C (167)	New		<i>Penicillium purpurogenum</i> G59	Soil sample	Tideland of Bohai Bay around Lüjühe in Tanggu district of Tianjin, China,	K562, HL-60HL-60	IR% 20.4 and 26.0 at 100 µg/ mL	Xia et al. 2015
66	Penicitrinine A (168)	New		<i>Penicillium citrinum</i>	Marine-derived	Langqi Island, Fujian, China.	A-375, SPC-A1 and HGC-27	20.12 µM, 28.67 µM and 29.49 µM	Liu et al. 2015
67	Aspochalasin V (169)	New		<i>Aspergillus</i> sp	<i>Ligia oceanica</i>	Zhejiang Province of China	PC3 and HCT116	30.4 and 39.2 µM	Liu et al. 2014
68	Asperterrestide A (170)	New		<i>Aspergillus terreus</i> SCSGAF0162	<i>Echinogorgia aurantiaca</i>	Hainan Province, China	U937 and MOLT4	6.4 and 6.2 µM	He et al. 2013

69	Aculeatusquinone B (171)	New		<i>Aspergillus aculeatus</i>	Coral Reef	Similan Island, Phang Nga Province Thailand	HL-60, K562, A549	5.4-76.1 μ M	Chen et al. 2013
	Aculeatusquinone D (172)	New		<i>Aspergillus aculeatus</i>	Coral Reef	Similan Island, Phang Nga Province Thailand	HL-60, K562, A549	5.4-76.1 μ M	Chen et al. 2013
70	Diorcinol D (173)	New		<i>Aspergillus versicolor</i>	Mud sample	Yellow Sea	HeLa, K562	31.5 and 48.9 μ M	Gao et al. 2013
	Diorcinol E (174)	New		<i>Aspergillus versicolor</i>	Mud sample	Yellow Sea	HeLa	36.5 μ M	Gao et al. 2013
71	Chaunolidone A (175)	New		<i>Chaunopycnis</i> sp. (CMB-MF028)	<i>Siphonaria</i> sp.	Shorncliffe, Queensland	NCI-H460	0.09 μ M	Shang et al. 2015
72	Penicimutalidine (176)	New		<i>Penicillium purpurogenum</i> G59	Soil sample	Tideland of Bohai Bay around Ljüjühe in Tanggu district of Tianjin, China,	HL-60	95.2 μ g/ mL, IR (%) value 20.8% at 100 mg/ml	Li et al 2016e
	Oxaphenalenone-SF226 (177)	known	Terrestrial parasitic fungus / Cytotoxic marine	<i>Penicillium purpurogenum</i> G59	Soil sample	Tideland of Bohai Bay around Ljüjühe in Tanggu district of Tianjin, China,	K562	14.0 μ g/ mL IR (%) 28.1% at 100 μ g/ml	Li et al 2016e

73	Penicimutide (178)	New		<i>Penicillium purpurogenum</i> G59	Soil sample	Tideland of Bohai Bay around Lüjühe in Tanggu district of Tianjin, China,	HeLa	IR (%) 39.4% at 100 mg/ml	Wang et al. 2016
74	Oxalicumone A (179)	New		<i>Penicillium oxalicum</i> SCSGAF 0023	Gorgonian <i>Muricella flexuosa</i>	South China Sea	A375 and SW-620	11.7 and 22.6 μ M	Sun et al. 2013
75	Indole alkaloid (180)	known	Synthetic no cytotoxic	<i>Aspergillus sydowii</i> SCSIO 00305	<i>Verrucella umbraculum</i>	Sanya, Hainan Province, China	A375	5.7 μ M	He et al. 2012
76	AGI-B4 (181)	known	Terrestrial/ Cytotoxic marine	<i>Neosartorya fischeri</i> strain 1008F1	Marine-derived	Not Reported	SGC-7901, BEL-7404	0.29 μ M, 0.31 μ M	Tan et al. 2012
77	Chondrosterin J (182)	new		<i>Chondrostereum</i> sp	<i>Sarcophyton tortuosum</i>	Hainan Sanya National Coral Reef Reserve, China	CNE-1 and 2	1.32 and 0.56 μ M	Li et al. 2014
78	(+)-6- <i>O</i> -demethylpestalotiopsin A and C (183 , 184)	new		<i>Ascotricha</i> sp. ZJ-M-5	Mud sample	Zhejiang Province, China	HL-60 and K562	6.9 and 12.3 μ M	Wang et al. 2014a
79	Pimarane diterpene (185)	new		Fungal strain HS-1	Sea cucumber, <i>Apostichopus japonicus</i>	Shandong Province, China	KB and KBv200	3.51, 2.34 μ g/mL,	Xia et al. 2012
	Pimarane diterpene (186)	new		Fungal strain HS-1	Sea cucumber, <i>Apostichopus japonicus</i>	Shandong Province, China	KB and KBv200	20.74, 14.47 μ g/mL,	Xia et al. 2012

	Diaporthins B (187)	known	Terrestrial mycotoxin / Marine cytotoxic	Fungal strain HS-1	Sea cucumber, <i>Apostichopus japonicus</i>	Shandong Province, China	KB and KBv200	and 3.86, 6.52 $\mu\text{g/mL}$	Xia et al. 2012
80	Trichodermamides B (188).	known	Marine/cytotoxic	<i>Trichoderma virens</i>	Ascidian <i>Didemnum molle</i> and a green alga, <i>Halimeda</i> sp.	Papua New Guinea	HeLa	1.4-21 μM	Jans et al. 2017
81	Chromosulfine (189),	New		<i>Penicillium purpurogenum</i> G59	Soil sample	Tideland of Bohai Bay around Ljüjühe in Tanggu district of Tianjin, China,	K562, HL-60, BGC-823, HeLa and MCF-7	60.8, 16.7, 73.8, 75.4 and 59.2 μM	Yi et al. 2016
82	Neohydroxyaspergillilic (190)	known	Terrestrial/ Cytotoxic marine	Fungus strain CF07002	Marine sediment	Eastern Pacific Ocean off Panama	Jurkat	60.2 μM	Cardoso-Martinez et al. 2015
	Neospergillilic acid (191)	known	Terrestrial mycotoxin / Marine cytotoxic	Fungus strain CF07002	Marine sediment	Eastern Pacific Ocean off Panama	Jurkat, K562, U937, and Raji	31.6, 50.1, 42.6, and 54.9 μM	Cardoso-Martinez et al. 2015
83	Aspergiolide A (192)	New		<i>Aspergillus glaucus</i>	Marine sediment around the mangrove roots	Fujian province of the People's Republic of China.	BEL-7402	Targeting topoisomerase II	Wang et al. 2014b

84	Isosclerone (193)	Known	Terrestrial than marine	<i>Aspergillus fumigatus</i>	Marine green algae	Seosaeng-myeon, Ulsan in Republic of Korea	MCF-7	IC ₅₀ value 63 μ M Also inhibits the protein and gene expressions of MMP-2,-9 in MCF-7 by altering MAPK signaling pathway	Li et al. 2014
851	Oxalicumone E (194)	New		<i>Penicillium oxalicum</i> SCSGAF 0023.	Gorgonian <i>Muricella flexuosa</i>	South China Sea	H1975, U937, K562, BGC823, MOLT-4, MCF-7, HL60 and Huh-7	< 10 μ M	Bao et al. 2014
	Oxalicumone A (195)	known	Marine/cytotoxic	<i>Penicillium oxalicum</i> SCSGAF 0023.	Gorgonian <i>Muricella flexuosa</i>	South China Sea	H1975, U937, K562, BGC823, MOLT-4, MCF-7, HL60 and Huh-7	< 10 μ M	Bao et al. 2014
86	Deoxybostrycin (196)	Known	Endophytes cytotoxic / Marine cytotoxic	<i>Nigrospora</i> sp. No. 1403	<i>Kandelia candel</i> Mangrove endophytic fungus	South China Sea	MDA-MB-435, HepG2 and HCT-116	3.19 , 29.99 and 5.69 μ M.	Chen et al. 2012
87	Auranomide A (197) Auranomide B (198) Auranomide C (199)	New		<i>Penicillium aurantiogriseum</i>	marine mud	Bohai Sea	K562 , ACHN, HEPG2 and A549	Moderate cytotoxic (Inhibition rate at 100 μ g/mL) 5.8-20.48	Song et al. 2012

