

Table S3 The antibacterial and antifungal activities of new isolated isoquinoline alkaloids

Compounds	Bacteria or Fungi	Biological results (MIC)	Positive drug (MIC)	Ref.
Spathullin A (14)	<i>Escherichia coli</i>	15 µg/mL	Meropenem 0.5 µg/mL	32
	<i>Acinetobacter baumannii</i>	15 µg/mL	2 µg/mL	
	<i>Enterobacter cloacae</i>	15 µg/mL	1 µg/mL	
	<i>Klebsiella pneumonia</i>	64 µg/mL	1 µg/mL	
	<i>Pseudomonas aeruginosa</i>	>64 µg/mL	1 µg/mL	
	<i>Staphylococcus aureus</i>	4 µg/mL	0.5 µg/mL	
	<i>Candida albicans</i>	>64 µg/mL	--	
Spathullin B (15)	<i>Aspergillus fumigatus</i>	>64 µg/mL	--	32
	<i>Escherichia coli</i>	5 µg/mL	Meropenem 0.5 µg/mL	
	<i>Acinetobacter baumannii</i>	5 µg/mL	2 µg/mL	
	<i>Enterobacter cloacae</i>	5 µg/mL	1 µg/mL	
	<i>Klebsiella pneumonia</i>	32 µg/mL	1 µg/mL	
	<i>Pseudomonas aeruginosa</i>	64 µg/mL	1 µg/mL	
	<i>Staphylococcus aureus</i>	1 µg/mL	0.5 µg/mL	
Puniceusine N (30)	<i>Candida albicans</i>	>64 µg/mL	--	34
	<i>Aspergillus fumigatus</i>	>64 µg/mL	--	
	<i>Staphylococcus aureus</i>	100 µg/mL	--	
	<i>MRSA</i>	100 µg/mL		
	<i>Escherichia coli</i>	100 µg/mL		

Hypepontine	<i>Staphylococcus aureus</i>	128 µg/mL	Gentamicin 64 µg/mL	41
(41)	<i>Escherichia coli</i>	256 µg/mL	32 µg/mL	
	<i>Pseudomonas aeruginosa</i>	64 µg/mL	32 µg/mL	
	<i>Candida albicans</i>	256 µg/mL	Amphotericin B 64 µg/mL	
(1'R, 2'S)-	<i>Staphylococcus aureus</i>	3.12 µg/mL	Ampicillin 1.56 µg/mL	42
coptichine B	<i>Bacillus subtilis</i>	3.12 µg/mL	3.12 µg/mL	
(238)	<i>Escherichia coli</i>	12.5 µg/mL	6.25 µg/mL	
	<i>Pseudomonas aeruginosa</i>	6.25 µg/mL	3.12 µg/mL	
Turbinmicin	<i>Candida albicans</i> K1	0.25 µg/mL	Micafungin 0.03 µg/mL	109
(253)	<i>Candida glabrata</i> 4720	0.5 µg/mL	4.0 µg/mL	
	<i>Candida tropicalis</i> 98-234	0.5 µg/mL	Posaconazole 0.125 µg/mL	
	<i>Candida auris</i> B11220	0.125 µg/mL	0.06 µg/mL	
	<i>Aspergillus fumigatus</i>	0.03 µg/mL	8 µg/mL	
	F11628			
	<i>Fusarium spp.</i>	0.125 µg/mL	--	
	<i>Scedosporium spp</i>	0.5 µg/mL	--	
	<i>Rhizopus delemar</i>	4.0 µg/mL	--	
	<i>Rhizopus oryzae</i>	>8.0µg/mL	--	
	<i>Mucor circinelloides</i>	4.0 µg/mL	--	
	<i>Apophysomyces elegans</i>	4.0 µg/mL	--	
	<i>Lichteimia corymbiferea</i>	4.0 µg/mL	--	
	<i>Cynninghamella</i>	>8.0 µg/mL	--	

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