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Synthesis, antimicrobial, antiquorum-sensing and antitumor activities of new benzimidazole analogs

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Compound 10 showed promising and broad spectrum antimicrobial activity

Comp. No.	MIC, μg/mL (μ <mark>M</mark>)					
	E. coli	B. cereus	S. aureus	C. albicans	A. fumigatus	
10	156.25 (586.8)	78.125 (293.4)	39.06 (146.7)	39.06 (146.7)	78.125 (293.4)	

Compounds 4b and 5b,c are the most potent antitumor analogs

Comp. No.	IC ₅₀ (μM)				
	HepG2	HCT-116	MCF-7		
4b	2.25	2.41	1.74		
5b	2.65	2.23	2.80		
5c	2.01	1.78	1.55		

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