

Supplementary table S4. Comparison of antimicrobial activity 5'-hydroxy-aurapten with other coumarin derivatives studied in the literature

Coumarin derivative	Microorganism	Antimicrobial activity	Refs
7-(5-Hydroxy-3,7-dimethylocta-2,6-dienyloxy)-chromen-2-one	<i>Aspergillus flavus</i>	Antifungal activity	This work
4-((5-Mercapto-4-phenyl-4H1,2,4-triazol-3-yl)-methoxy)-2H-chromen-2-one	<i>Aspergillus niger</i> and <i>Candida albicans</i>	Antifungal activity	(Al-Amiery et al. 2012)
4-((5-(Phenylamino)-1,3,4-thiadiazol-2-yl)methoxy)-2Hchromen-2-one	<i>Aspergillus niger</i> and <i>Candida albicans</i>	Antifungal activity	(Al-Amiery et al. 2012)
3-Acetyl-8-amino-4,7-dihydroxy-chromen-2-one	<i>Staphylococcus aureus</i> , <i>E. coli</i> , and <i>Bacillus cereus</i>	Antibacterial activity	(Behrami and Krasniqi 2012)
Cephalosporin	<i>Staphylococcus aureus</i> , <i>Escherichia coli</i> , and <i>Pseudomonas aeruginosa</i>	Antibacterial activity	(Bonsignore et al. 1998)
4-Methyl-3-phenyl-6-[4-(3-aryl-1-phenyl-1H-pyrazol-4-yl)-6-aryl-pyridin-2-yl]	<i>Escherichia coli</i> , <i>Bacillus subtilis</i>	Antibacterial activity	(Brahmbhatt et al. 2010)
4-Chloro-3-((substituted phenylamino) methyl)-2Hchromen-2-one	<i>Staphylococcus aureus</i> , <i>Bacillus subtilis</i> , <i>Escherichia coli</i> , <i>Aspergillus niger</i> , and <i>Candida albicans</i>	Antibacterial and antifungal activity	(Bairagi et al. 2009)
4-Aryloxmethylcoumarins	<i>Staphylococcus aureus</i> , <i>Streptococcus faecalis</i> , <i>Escherichia coli</i> , <i>Pseudomonas aeruginosa</i> , <i>Klebsiella pneumonia</i> , <i>Aspergillus favus</i> , <i>Aspergillus fumigates</i> , <i>Candida albicans</i> , <i>Penicillium notatum</i> , <i>Rhizopus</i>	Antibacterial and antifungal activity	(Barzon et al. 2000)
6',7'-Dihydroxybergamottin	<i>S. aureus</i> , <i>S. epidermidis</i> , <i>P. aeruginosa</i> , <i>E. cloacae</i> , <i>K. pneumonia</i> , and <i>E. coli</i>	Antibacterial activity	(Widelski et al. 2018)
4-Acetatecoumarin	<i>A. fumigates</i> , <i>A. favus</i>	Antifungal activity	(Guerra Felipe QS et al. 2018)
7-Hydroxy-6-nitro-2H-1-benzopyran-2-one	<i>A. fumigates</i> , <i>A. favus</i>	Antifungal activity	(Guerra Felipe Queiroga Sarmiento et al. 2015)
7-(5-Hydroxy-3,7-dimethylocta-2,6-dienyloxy)-chromen-2-one	<i>Aspergillus flavus</i>	Antifungal activity	This work

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