



Review

Molecular Insights into Coumarin Analogues as Antimicrobial Agents: Recent Developments in Drug Discovery

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Simple Summary: Coumarins are a large family of benzopyrones, and more than 1300 coumarins have been reported to date. Natural, as well as synthetic, coumarins have demonstrated a diverse activity spectrum. On the other hand, the demands of the current health scenario witnessing morbidity and mortality due to microbial infections and multidrug-resistant bacterial strains, the well-reported phytochemical coumarin can be of interest. Some of the well-reported coumarin analogues as antimicrobial agents include β -lactam derivatives, coumarin-based 1,2,3-triazole compounds, the miconazole analogue, coumarin-substituted pyrazole hybrids, pyranocoumarin, coumarin–sulphonamide hybrids, pyranocoumarins, coumarin–sulphonamide derivatives, chromenylpyrazoles candidates, 3-amidocoumarins analogues, uracil–coumarin hybrids, indolinedione–coumarin hybrids, coumarin–imidazole hybrids, coumarin-fused pyrazolones and methyl thiazole derivatives, coumarin–theophylline hybrids, etc. In the present review, several methods for the synthesis of coumarin derivatives as antimicrobial agents are reported, along with structure–activity relationship (SAR) studies focusing on the developments reported since 2016.

Abstract: A major global health risk has been witnessed with the development of drug-resistant bacteria and multidrug-resistant pathogens linked to significant mortality. Coumarins are heterocyclic compounds belonging to the benzophenone class enriched in different plants. Coumarins and their derivatives have a wide range of biological activity, including antibacterial, anticoagulant,

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web may 6 2021 gimppasm rides the x1 interrogator i have a new favorite thing i m a big fan of electrostim in all of its forms it s my favorite thing to do to a submissive playmate i can make electro feel like anything from a tickle to a buzz to a full on endless mind scrambling jolt to the balls

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web cbt cock and ball torture part 1 by fledermaus aka tony deblase this is part 1 of a two part article on cbt by the late tony deblase part 2 includes piercing urethral invasion electrotorture and scrotal inflation you can find it here as a sadist i can say without equivocation there is nothing in the world i find more beautiful than the

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web evil shell new ball torture tool which makes possible ot press stertch each of the balls separately just put the balls between the jaws and tighten the screws the screws close the halves together and itt already has some pressing effect especially for larger balls the small screws work as adjustable spikes

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web i know that some of you like it intense and i ll explain a means of applying a mechanical and electrical force that you ll definitely feel in your balls to continue let s describe what we call a common electrode and see how the electrocup aka ecup

is