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Design, synthesis and biological evaluation of some novel 3-substituted acrylamide quinoline derivatives

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Abstract : A new series of 2,8-dichloroquinolin-3-acrylamide derivatives were designed by incorporating simple chemical methods. Here different N-substituted cyanoacetamide derivatives were used as the pharmacophore entities to link with the parent quinoline moiety and their microbial activity was screened, which has revealed that the few of the compounds were more potent than the corresponding standard drugs.
Key words: DIBAL-H, quinoline, cyanoacetamides, microbial activity.

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