

Synthesis, antifungal, antileishmanial evaluation, and molecular docking study of some 3-(4-((chlorobenzyloxyphenyl)aminomethyl)quinazolin-4(3H)-ones

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ABSTRACT A series of 3-(4-((chlorobenzyloxyphenyl)aminomethyl)quinazolin-4(3H)-ones **2(a-j)** was synthesized by aminomethylation of quinazolin-4(3H)-one (**1**) and 2-phenylquinazolin-4(3H)-one (**1a**) with 4-(chlorobenzyloxy)anilines in the presence of formaldehyde. All the synthesized compounds were screened for their *in vitro* antifungal activity against human pathogenic fungi and for *in vitro* antileishmanial activity against *Leishmania donovani* promastigotes. In addition, molecular docking was performed for compounds such as **2a**, **2d**, **2i**, and **2j**.

KEY WORDS Quinazolinone, Antifungal activity, Antileishmanial activity, Molecular docking

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