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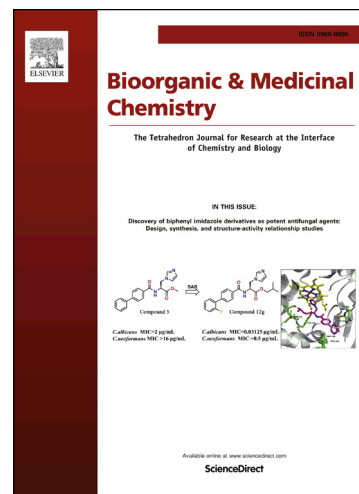
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# New derivatives of quinoline-4-carboxylic acid with antiplasmodial activity

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## Abstract.

New analogues of the recently published compound **DDD107498** were prepared. Their activities were examined in vitro against the chloroquine-sensitive NF54 strain. The most active were also tested against the multiresistant K<sub>1</sub> strain of *Plasmodium falciparum*. A couple of the newly synthesized compounds showed promising antiplasmodial activity and selectivity. A single compound showed adequate reduction of parasitaemia (98.1%) in mice infected with *Plasmodium berghei*. Survival time was doubled compared to control. The results of the biological tests of the novel compounds were compared with the activities of drugs in use. Structure-activity relationships were discussed.

*Keywords:* Amides; Amines; *Plasmodium falciparum*; Quinolines

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