

Article type : Research Article

**Title:** In vitro and in vivo trypanocidal activities of 8-methoxy-3-(4-nitrobenzoyl)-6-propyl-2*H*-cromen-2-one, a new synthetic coumarin of low cytotoxicity against mammalian cells

**Short running title:** New synthetic coumarin with trypanocidal activity

Key words: Coumarins, Nitro compounds, Trypanocidal agents, *Trypanosoma cruzi*, Chagas' disease.

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### Abstract

Natural and synthetic coumarins have been described as prototypes of new drug candidates against Chagas' disease. During a typical screening with new compounds, we observed the potential of a new synthetic nitrobenzoylcoumarin (**1**) as trypanocidal against *T. cruzi*

This article has been accepted for publication and undergone full peer review but has not been through the copyediting, typesetting, pagination and proofreading process, which may lead to differences between this version and the Version of Record. Please cite this article as doi: 10.1111/cbdd.13362

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