

Publication

Triterpenoids with rare carbon skeletons from *Salvia hydrangea* : antiprotozoal activity and absolute configurations

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Salvadione C (1) and perovskone B (2), two new triterpenoids with rare carbon skeletons, were isolated from an antiplasmodial n-hexane extract of *Salvia hydrangea* . The absolute configuration was determined by comparison of experimental and calculated electronic circular dichroism (ECD) spectra. In vitro activity against *Plasmodium falciparum* K1 strain, *Trypanosoma brucei rhodesiense* STIB 900 strain, and cytotoxicity in rat myoblast (L6) cells were determined. Compounds 1 and 2 showed in vitro antiplasmodial activity, with IC(50) values of 1.43 and 0.18 µM and selectivity indices (SI) of 86.2 and 69.6, respectively. IC(50) values against *T. brucei rhodesiense* were found to be 4.33 and 15.92 µM, respectively

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