

Publication

4-Aminobicyclo[2.2.2]octan-2-yl 4-aminobutanoates with antiprotozoal activity

JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)**ID** 2557832**Author(s)** Weis, R; Seebacher, W; Brun, R; Kaiser, M; Saf, R; Faist, J**Author(s) at UniBasel** [Brun, Reto](#) ; [Kaiser, Marcel](#) ;**Year** 2014**Title** 4-Aminobicyclo[2.2.2]octan-2-yl 4-aminobutanoates with antiprotozoal activity**Journal** Monatshefte für Chemie**Volume** 145**Number** 2**Pages / Article-Number** 311-317

A new series of 4-aminobicyclo[2.2.2]octan-2-yl 4-aminobutanoates have been prepared. Their activities against the multiresistant K-1 strain of *Plasmodium falciparum* and *Trypanosoma brucei rhodesiense* were determined and compared with the results for ethanoate and propanoate analogs. Several structure-activity relationships were detected. The antiprotozoal activities were influenced by the kind of both amino substituents and by the chain length of the acid moiety. The butanoates exhibited higher antiplasmodial potency than their analogs with shorter chain length. Representative compounds of the propanoate and butanoate series were the most active antitrypanosomal compounds

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