

Synthesis of Dimeric Acridine Derived Nucleic Acid Intercalators

René Csuk, Thorsten Brezesinski, Gunnar Göthe, Christian Raschke, and Stefan Reißmann

Institut für Organische Chemie, Martin-Luther-Universität Halle-Wittenberg,
Kurt-Mothes-Str. 2, D-06120 Halle (Saale), Germany

Reprint requests to Prof. Dr. R. Csuk. E-mail: csuk@chemie.uni-halle.de

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A series of antiviral compounds consisting of an intercalating acridine derived part, a spacer region and a reactive EDTA-derived conjugate was synthesized in an easy sequence. Suitably mono-protected 1, ω -alkyldiamines gave upon reaction with 6,9-dichloro-2-methoxyacridine (**1**) followed by deprotection and reaction with EDTA dianhydride the target molecules. In the presence of ascorbate a reduction of the phage-titer of the MS2 phages by > 8 logarithmic decades was achieved.

Key words: Acridine, Antivirals, Intercalators, Fenton-Mechanism