

## Three-component synthesis of 9-(1-alkylhydroquinolin-6-yl)acridine-1,8(2H,5H)-diones

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### Abstract

Synthesis of new acridine-1,8(2H,5H)-dione derivatives containing hydroquinoline group via a three-component cyclocondensation reaction of 1-alkylhydroquinoline-6-carbaldehyde, ammonium acetate, and cyclohexane-1,3-dione compound is described. The products were obtained in high yields in refluxing ethanol. The newly synthesized compounds were characterized by <sup>1</sup>H NMR, and elemental analysis techniques.