

A Facile Synthesis of Naphthyl-Quinolyl Ethanes and Chromenyl-Quinolyl Ethanes

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2,4-Dihydroxyquinoline, 1-Tetralone, Chromanone, 2,4-Dichloro-3-[1'-(1-chloro-naphth-2-yl)ethyl]quinoline, 2,4-Dichloro-3-[1'-(4-chloro-2-methyl-chromen-3-yl)ethyl]quinoline

The reaction of alkaline 2,4-dihydroxyquinoline **1** and 1-tetralone **2** in 2% sodium hydroxide solution with vinyl acetate afforded a brown solid **3**, which on treatment with phosphorous oxychloride yielded 2,4-dichloro-3-[1'-(1-chloro-naphth-2-yl)ethyl]quinoline (**4**). The same reaction of **1** and chromanone **7** with vinyl acetate afforded 2,4-dichloro-3-[1'-(4-chloro-2-methyl-chromen-3-yl)ethyl]quinoline (**9**).

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