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The NMR spectra were run by W.R. Anderson, Jr., Analytical Research Department, Stanford Research Institute.

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2-Benzoyl-1,2-dihydroisoquinaldamide

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WHILE INVESTIGATING the chemistry of Reissert compounds, it became necessary to prepare 2-benzoyl-1,2-dihydroisoquinaldamide. This was accomplished by treating 2-benzoyl-1,2-dihydroisoquinaldonitrile with 30% hydrogen peroxide. The reaction was analogous to that used by Cobb and McEwen to prepare 1-benzoyl-1,2-dihydroquinaldamide (1). The structure was confirmed by reconversion of the amide to the starting material by dehydration with phosphorus pentoxide.

EXPERIMENTAL

2-Benzoyl-1,2-dihydroisoquinaldamide. To a solution of 10.0 grams (0.038 mole) of 2-benzoyl-1,2-dihydroisoquinaldonitrile in 250 ml. of acetone was added 4.0 grams of sodium bicarbonate. This was cooled in a water bath and stirred while 150 ml. of 30% hydrogen peroxide was added over a period of two hours; then six ml. of 5% sodium bicarbonate solution was added. The mixture was stirred for an additional two hours and allowed to stand overnight. The mixture was concentrated to about 150 ml. by distilla-

tion and 400 ml. of water added. A tan solid precipitated upon cooling in an ice bath. The solid was filtered, washed with water and dried to yield 3.0 grams (28.3%). Several recrystallizations from ethanol gave a sample of m.p. 232-234°.

ANAL. Calcd. for $C_{17}H_{14}N_2O_2$: C, 73.37; H, 5.03; N, 10.07. Found: C, 73.57; H, 5.12; N, 9.68.

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