Table 1. Examples of the reaction *(2)* → *(5)*

Anilide *(2)*				Yield of *(5)* [%]	M.p. [°C]
R^1	R^2	R^3	R^4		
C_2H_5	H	H	H	100	199
C_2H_5	H	CH_3	H	73	72
C_2H_5	CH_3	H	H	82	238
C_2H_5	H	H	*p*-CH_3	100	241
C_2H_5	H	H	*o*-CH_3	89	224
C_2H_5	H	H	*p*-Cl	100	275
C_2H_5	H	H	*o*-Cl	100	210
C_2H_5	CH_3	H	*o*-CH_3	98	180

Starting with aminoanthracene or aromatic diamines, we obtained more highly condensed ring systems.

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[1] U.S. Pat. 2768174 (Oct. 23rd, 1956) Societé des usines chimiques Rhône-Poulenc, inventors: *R. E. Paul* and *S. Tchelitcheff*; Chem. Abstr. *51*, 5818 (1957).

Syntheses with β-Alkoxyacrylyl Chlorides

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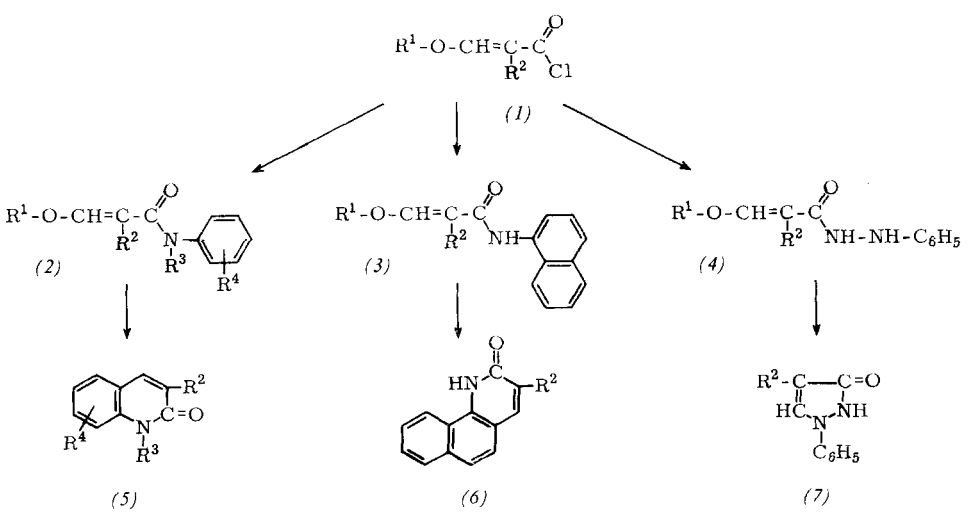
The interaction of β-alkoxyacrylyl chlorides *(1)* [1] with alcohols, phenols, thiophenols, hydrazines, and amines has afforded new derivatives of β-alkoxyacrylic acids, some of which are suitable for the synthesis of otherwise difficultly accessible heterocyclic compounds.



When the anilides *(2)* are ground with concentrated mineral acids, carbostyrils *(5)* are obtained smoothly within a few minutes in good yields. Table 1 gives a list of examples.

The action of concentrated acids on the naphthalides *(3)* gave benzoquinolones *(6)* [R^2 = H, m.p. 257 °C, 100 % yield; R^2 = CH_3, m.p. 240 °C, 95 % yield] and on the phenylhydrazides *(4)* gave 1-phenylpyrazol-3-ones *(7)* [R^2 = H, m.p. 153 °C, 98 % yield].