A novel and convenient "one pot" synthesis of 5-substituted pyrimido (4,5-b) guinolines including 5-substituted 5-deazaflavines

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The 6-(Ary1) and 6-(Alky1, Ary1) amino uraciles  $\underline{2}$  readily available from 6-chloro uracile and substituted primary and secondary anilines react with phosgeniminium salt  $\underline{1}$  (Viehe's salt) leading with a very good yield, to the corresponding 5-chloro and/or 5-N,N dimethylamino pyrimido (4,5-b) quinolines  $\underline{4}$  and 5-chloro and/or 5-N,N dimethylamino 5-deazaflavines  $\underline{5}$ . Some of the thermally stable amidochlorides 3 have actually been isolated and caracterized.

$$\begin{array}{c} CH_{2} \\ O \\ O \\ R_{1} \\ R_{2} \\ \end{array}$$

$$\begin{array}{c} CI \\ C \\ CI \\ \end{array}$$

$$\begin{array}{c} CH_{2} \\ CH_{3} \\ CH_{3} \\ \end{array}$$

$$\begin{array}{c} CH_{3} \\ CH_{3} \\ CH_{3} \\ \end{array}$$

$$\begin{array}{c} CH_{3} \\ CH_{3} \\ CH_{3} \\ \end{array}$$

$$\begin{array}{c} CH_{3} \\ R_{2} \\ \end{array}$$

$$\begin{array}{c} CH_{3} \\ R_{3} \\ \end{array}$$

R = Alevi, Methony, Halogen

R, = CB, C24,

R3 = C1, N(CH3)2