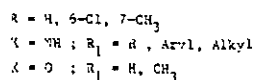
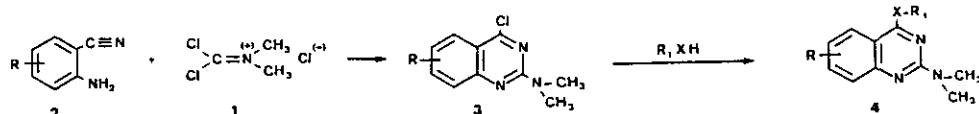


A convenient novel "one pot" synthesis of quinazoline and benzoxazine derivatives from corresponding 2-amino and 2-hydroxybenzonitriles via phosgeniminium salt condensation

Bruno KOKEL - Institut Curie - Section de Biologie
26, rue d'Ulm - 75231 PARIS Cedex 05

Phosgeniminium chloride 1 (Viehe's salt) which has been found to be extremely useful in heterocyclic synthesis, reacts smoothly with 2-aminobenzonitriles 2 and 2-hydroxybenzonitriles 5 producing the corresponding functionalized heterocyclic systems 3 and 6.

Thus, 2-aminobenzonitriles 2 lead to the 4-chloro 2,N,N dimethylamino quinazolines 3 which are easily transformed to their related derivatives 4 by means of hydrolysis, alcoholysis and aminolysis reactions.



In a similar way, 2-hydroxybenzonitriles 5 give the salts 6 and then, after easy work up the benzoxazine derivatives such as 7 and 8.

