

3) Analyses of the all derivatives of the C₉-base reported¹⁾ are consistent with this formula.

C₉-base (Fig. 1). It is, therefore, quite reasonable to assume that the C₉-base has a 2-amino-8-hydroxyquinazoline skeleton⁴⁾.

NMR spectrum of the C₉-base shows four signals (all singlet) at +26, -48, -65, -113 c. p. s.⁵⁾ (area ratio ca. 2:1:1:1), which are assigned to two protons in -CH₂O-, two in benzene ring (two signals), and one attached at C₄-position, respectively. Since no coupling is observed between their signals, two aromatic protons are not in adjacent position. Thus the hydroxymethyl group must be attached to the C₆-position. NMR spectrum of the triacetate¹⁾ of C₉-base possesses the following signals which are also consistent with the structure assigned: (τ -values) 8.00 (NH); 7.80, 7.50, 7.30 (three acetyl groups); 4.70 (-CH₂O-); 2.40, 2.25 (arom.); 0.68 (proton at C₄); all signals are singlets⁶⁾.

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4) 2-Amino-4-methyl-6-hydroxyquinazoline was also synthesized, but its UV spectrum ($\lambda_{\text{max}}^{\text{H}_2\text{O}}$ 233 m μ ; $\lambda_{\text{max}}^{0.1N \text{ NaOH}}$ 245 m μ) was quite different from that of the C₉-base.

5) Spectra were taken on a Nihondensi JM (40 Mc) spectrometer using D₂O containing NaOD as solvent, and a signal of DOH as an internal reference (0 c. p. s.).

6) Using CDCl₃ as solvent and tetramethylsilane as an internal reference (τ =10).
