ALKYLATED NITROGEN HETEROCYCLES:
SYNTHESIS AND STRUCTURAL ASSIGNMENTS

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The paper reports the chemical syntheses and structural assignments of phenothiazine 1, 2 and pyrido[3,2-g]quinoline 3 alkylated derivatives.

\[ \text{HetAr-H} + R-X \rightarrow \text{HetAr-R} + \text{HX} \]

Alkylation reactions of these heterocycles, using alkylhalides under classical or phase transfer catalysis PTC conditions, are compared.

The structures of the newly synthesized compounds were assigned by high resolution NMR spectroscopy. 2D-NMR spectra (homocorrelation COSY experiments, heterocorrelation HMBC and HMBC experiments) are presented.