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We have established that 2-methylperimidines readily react with aromatic aldehydes at 100-190°C in the absence of a solvent or catalyst, forming deeply colored 2-styrylperimidines (III) with yields of about 95%.

In the case of aldehydes with electron-accepting substituents (p-nitrobenzaldehyde, 5-nitrofurfural), at a lower temperature it is possible to isolate the carbinols (II) formed as intermediates, and on being heated to a higher temperature these decompose with the formation of the 2-styrylperimidines.

The structure of the compounds obtained (Table 1) was shown by elementary analyses, IR spectra, and the independent synthesis of substances (IIIa) and (IIIb) starting from the corresponding naphthalene-diamine and cinnamoyl chloride.

TABLE 1. Characteristics of the Compounds Obtained

Com- pound	MD. C	Solvent for crys- tallization	Color	Yield,	Conditions of fusion
IIa IIb IIIa IIIb IIIc	193 100 (decomp <sub>*</sub> ) 136 124—125 195 202—203	DMFA  * Petroleum ether Petroleum ether Benzene—petro- leum ether Benzene	Dark yellow Brown Claret Claret Dark claret	95 60 70 95 94 50—75	120°, 5 min 60°, 5 min 150°, 2 h 150°, 5 h 190—195°, 30 min 100°, 10 min †

<sup>\*</sup>It was impossible to select a solvent.

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<sup>†</sup> The reaction takes place better in acetic anhydride.