

# Pyridopyridazines, Benzimidazolopyrimidines Triazolopyrimidines, 9-Oxo-2,3,6,7-tetraazabicyclo[3.3.1]nona-3,7-diene and Aroylcinnolines from 2-Arylhydrazono-3-oxopropanals

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The reaction of the 2-arylhydrazonopropanal **3a** with 2-amino-1,1,3-tricyanopropene **4** afforded the pyridopyridazines **6**. On the other hand, reaction of **3b** with **4** afforded **7**. Compounds **3a,b** also condensed with 2-aminobenzimidazole and 3(5)-amino-1,2,4-triazole to yield azolopyrimidines **10** and **13**. Refluxing compounds **3a,b** in acetic acid in the presence of ammonium acetate afforded 2,3,6,7-tetraaza-bicyclo[3.3.1]nona-3,7-diene **14** and aroylcinnoline **15** respectively.

*Key words:* 2-Arylhydrazonopropanals, Pyridopyridazines, Aminotriazole, Azolopyrimidines, Aroylcinnoline