

New Simple and One-Pot Synthetic Routes to Polyfunctionally Substituted Pyridines; 1,4-Dihydropyridazines and 4H-1,2-Oxazine

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Arylidenemalononitriles, 2-Cyano-1,1-diaminoethene, Arylhydrazones,
syn-2-Pyridinealdoxime, Pyridines

Reactions of arylidenemalononitriles **1a-d** with 2-cyano-1,1-diaminoethene (**5**); arylhydrazones **14a,b** and *syn*-2-pyridinealdoxime **15** afforded the title derivatives **3a-d**; **16a,b** and **17**, respectively. Bipyridyl derivatives **11–13** were also synthesized. Unambiguous syntheses and/or spectral analyses confirmed the suggested structures of **3a-d**, **11–13**, **16a,b** and **17**.