

SUPPLEMENTARY MATERIAL TO
**Optimization of the reaction conditions for the synthesis of
2,3,5-trimethylpyridine from 3-amino-2-methylproenal and
methylethylketone**

JOVICA UROŠEVIĆ¹, MIROSLAV MITIĆ¹, BILJANA ARSIĆ^{2*}
and GORDANA STOJANOVIĆ²

¹Chemical-technological school “Božidar Đorđević Kukar”, Vljakova 94, 16000 Leskovac,
Serbia and ²University of Niš, Faculty of Sciences and Mathematics, Department of
Chemistry, Višegradska 33, 18000 Niš, Serbia

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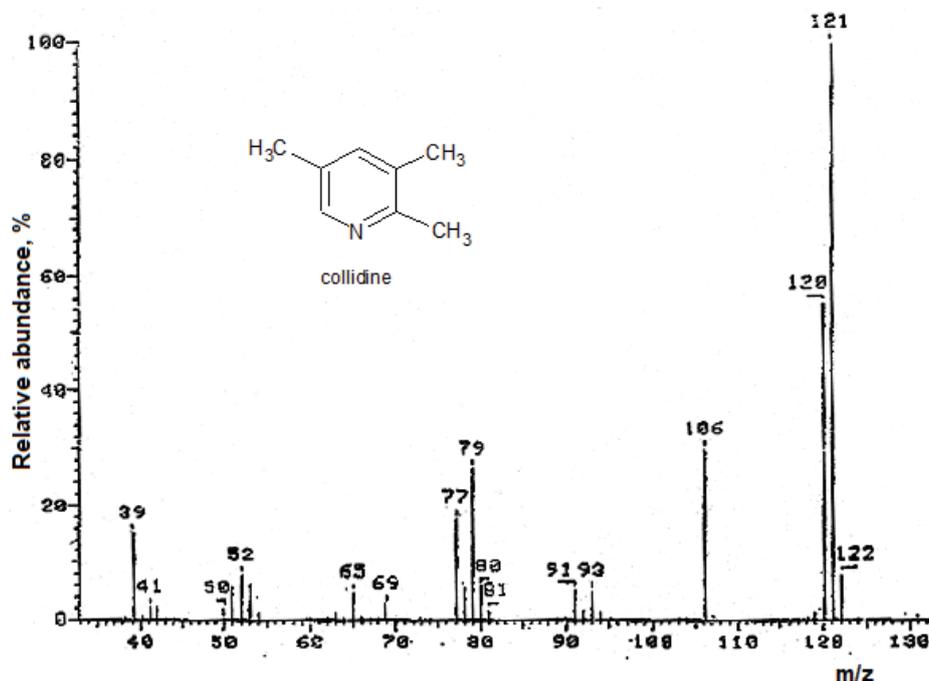


Fig. S-1. Mass spectrum of collidine detected from the reaction mixture.

* Corresponding author. E-mail: Biljana.Arsic@pmf.edu.rs

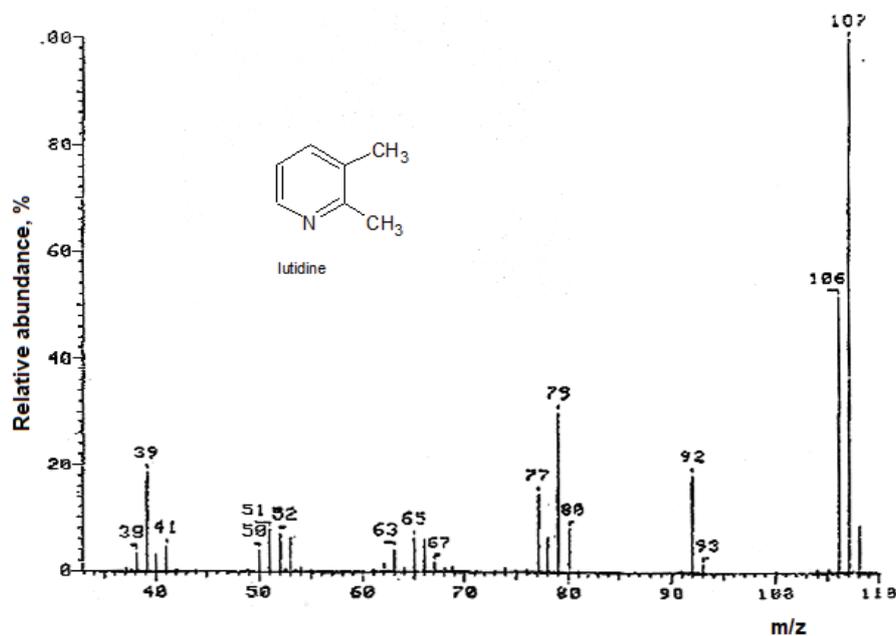


Fig. S-2. Mass spectrum of lutidine (2,3-dimethylpyridine) detected from the reaction mixture.

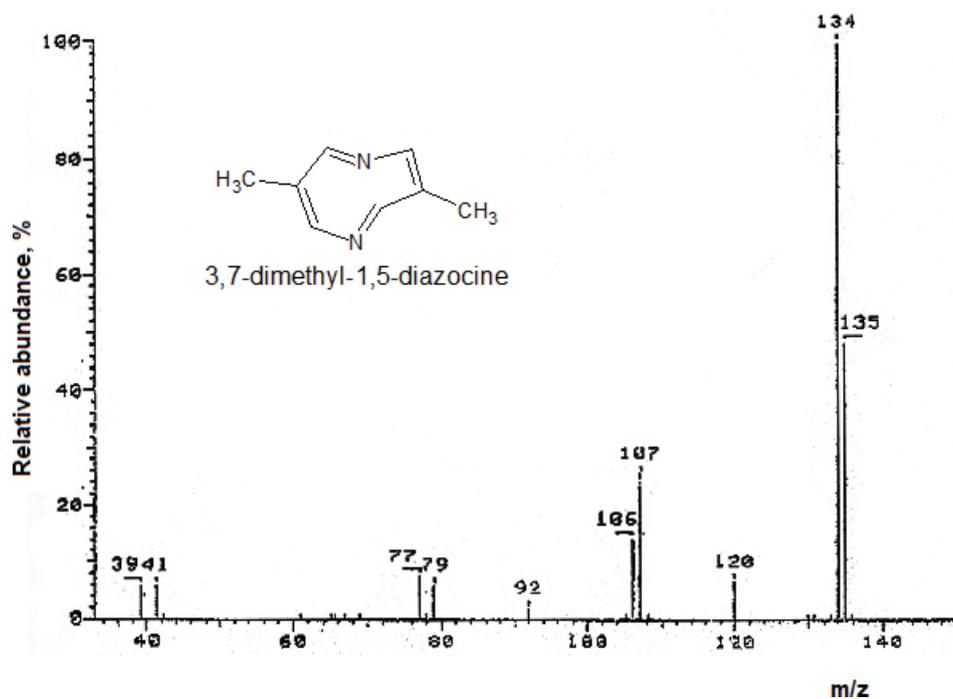


Fig. S-3. Mass spectrum of 3,7-dimethyl-1,5-diazocine detected from the reaction mixture.

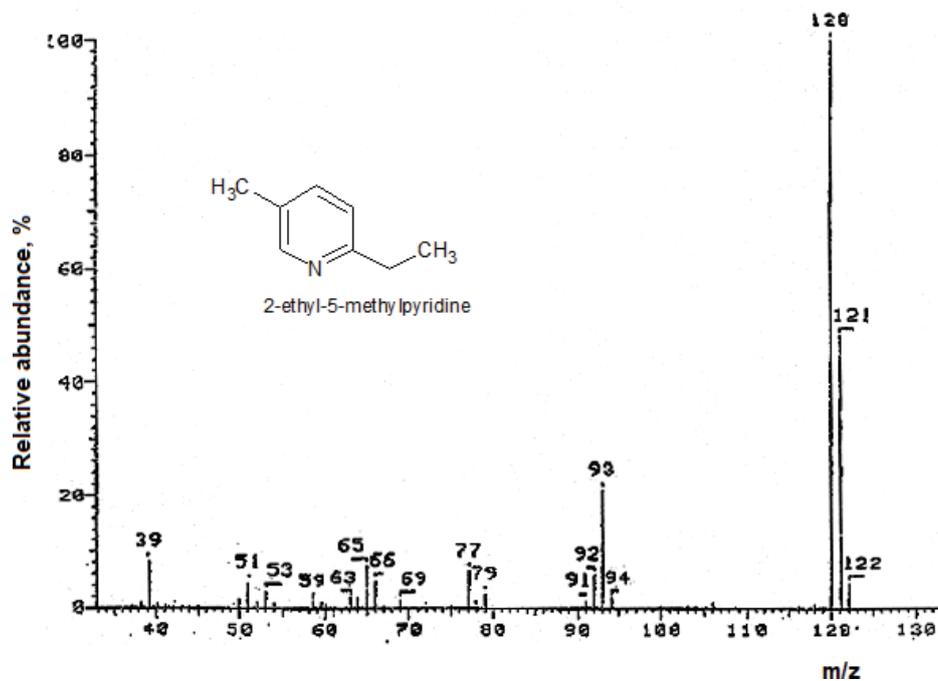


Fig. S-4. Mass spectrum of 2-ethyl-5-methylpyridine detected from the reaction mixture.

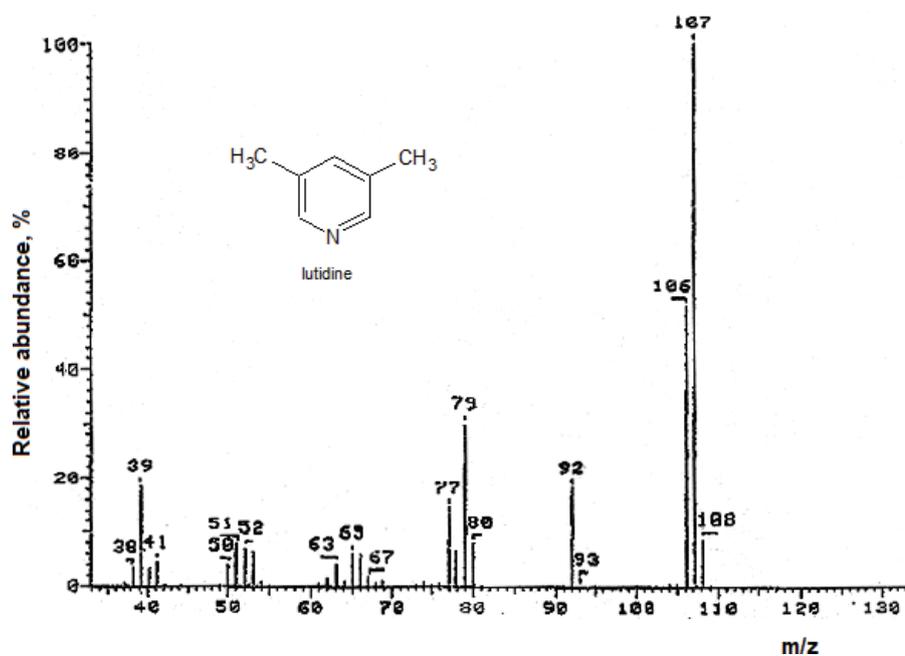


Fig. S-5. Mass spectrum of lutidine (3,5-dimethylpyridine) detected from the reaction mixture.

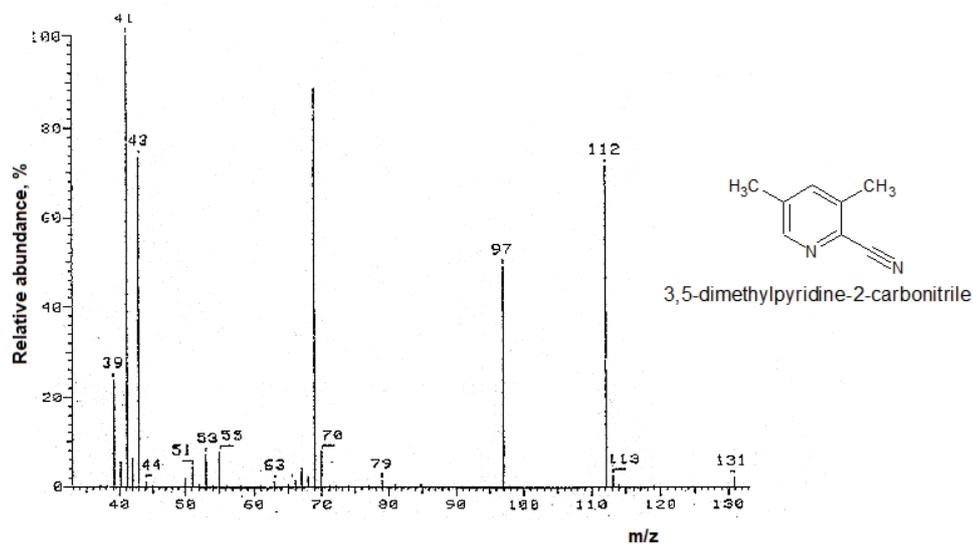


Fig. S-6. Mass spectrum of 3,5-dimethylpyridine-2-carbonitrile detected from the reaction mixture.

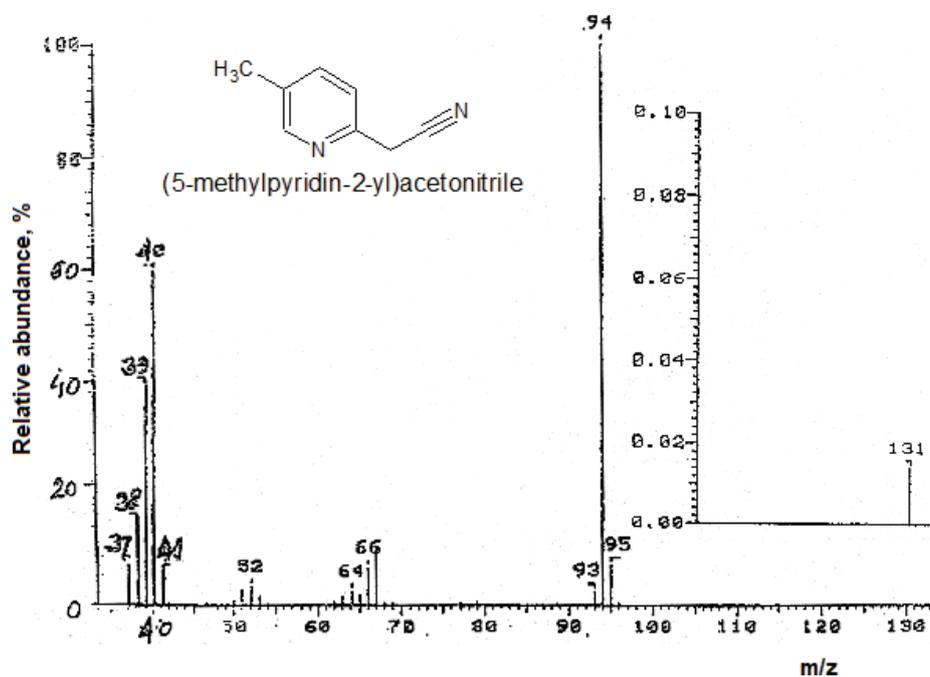


Fig. S-7. Mass spectrum of (5-methylpyridin-2-yl)acetonitrile detected from the reaction mixture.

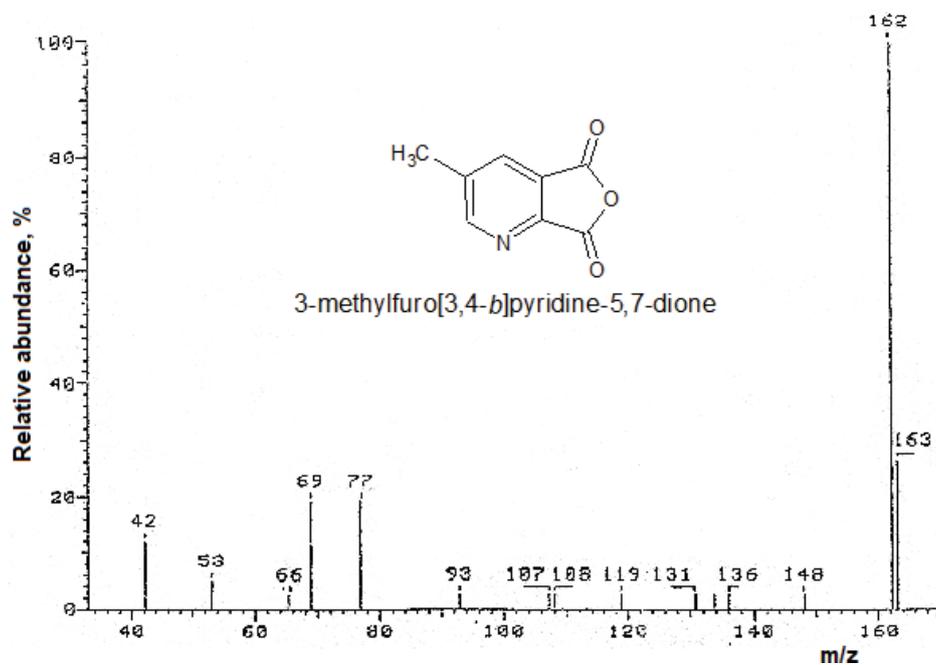


Fig. S-10. Mass spectrum of 3-methylfuro[3,4-*b*]pyridine-5,7-dione detected from the reaction mixture.