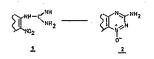
PO 49

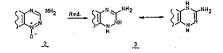
NEW RINGTRANSFORMATION OF AS-TRIAZINES Benkó, P*., Berényi, E., Góra, L.

EGYT Pharmacochemical Works, H-1475 Budapest, PF. 100.

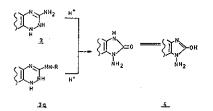
Some as-Triazine (2), condensed with N-heterocyclical ring, were synthetised by a modified method of Arndt^{1,2};



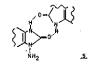
As-Triazino-(6,5-c)-chinolin and Pyrido-(4,3-e)-as-Triazine-Noxide were reduced in the presence of sodium dithionit or catalytically and the appropriate dihydro-as-Triazines (3) could be isolated.



According to our experiences dihydro-derivates (3) has been showing activity to proton-catolytical rearrangement. Following that the transformation of 3 gave the suitable N-amino-imidazolinon (4), condensed with heterocyclical ring.



By preparative way, it had been also proved, that the leaving group which-one nitrogenatom included. Our new compounds were identified from their analysis and spectroscopic properties (IR, NMR). IR-spectra of 4 show the next cyclic-dimer structure (S):



We studied also chemical properties of 4 be the reactions of their amino- and oxo-groups.

REFERENCES:

 E. Berényi; P. Benkó; L. Pallos: Acta Acad. Sci. Hung. 90 (4), 395-97 (1970)

 P. Benkó; E. Berényi; A. Mossmer; Gy. Hojós, L. Pallos: Acta Acad. Sci. Hung. 90 (4), 405-10 (1976)

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β-LACTAM ANTIBIOTICS WITH NOVEL RING SYSTEMS T. E. Gunda, J. Cs. Jószberényi, E. R. Farkas

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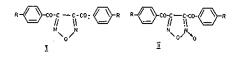
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CARBON-13 NMR INVESTIGATION OF 1,2,5-OXADIAZOLE DERIVATIVES

Halina Adamowicz, Zbigniew Buczkowski, Jerzy Lange and Hanna Tondys

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Carbon-13 NMR spectra of 3,4-dibenzoyl-1,2,5-oxadiazole (Ia) ond its 2-oxide (IIa) as well as of the corresponding p-methyl and p-methoxy analogs were investigated in a CH2Cl2 \rightarrow CDCls solution, chromic acetylacetonate being used in order to facilitate assignments of the quaternary carbon atoms.



(a) R=H; (b) R=CH3; (c) R=OCH3

In the asymmetric N-oxides (II), the oxide oxygen atom produced magnetic differentiation of the corresponding corbon atoms as between the benzoyl substituents. As expected, the differences in the chemical shifts were rather small; they amounted to 1.32-1.43 ppm for the corbonyl corbon atoms, 0.82-0.94 ppm for the orthonyl corbon atoms, 0.82-0.94 ppm for the orthon 0.08-0.17 ppm for the para carbon atoms and 0.08-0.17 ppm for the para carbon atoms on 0.08-0.17 ppm for the para carbon atoms and 0.08-0.17 ppm for the para carbon atoms atoms on 0.08-0.17 ppm for the para carbon atoms carbonyl group. This may be considered as an indication that the differentiation observed, in particular that pertaining to the same carbon atoms, sufficiently remote from the Aromatic particularly pronounced in the case of the oxadiazole carbon atoms C(3) and C(4). In la, for example, the two carbon atoms were equivalent with the chemical shifts was remarkably large (about 42 ppm) aving to the striking upfield shift of the C(3) signal (111.58 ppm as compared with 154.28 ppm for C(4)).