

SYNTHESIS OF NOVEL FLUORINE-CONTAINING TETRACYCLIC RING SYSTEMS:  
 2-METHYL-1-OXO-1H-1,2,4-TRIAZINO [3',4':3,4][1,2,4] TRIAZINO [5,6-b] INDOLE  
 AND 3-METHYL-4-OXO-1H-1,2,4-TRIAZINO [4',3':2,3][1,2,4] TRIAZINO [5,6-b] INDOLE

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In continuation of our search for fluorine-containing bioactive indole derivatives, an interesting reaction was noticed during the cyclization of the hydrazone of  $\alpha$ -oxopropanoic acid and 3-hydrazino-5H-1,2,4-triazino[5,6-b]indole (A). This cyclization can take place either at N-2 or N-4 position of the 1,2,4-triazine ring leading to either compound B or C. We have observed that when X= H or 9-CF<sub>3</sub>, a 70:30 mixture of products B and C was obtained, while in case of X= 7-F or 8-F, cyclization took place exclusively at N-4 forming a single product B. The structure of B and C were assigned on the basis of spectral studies.

