

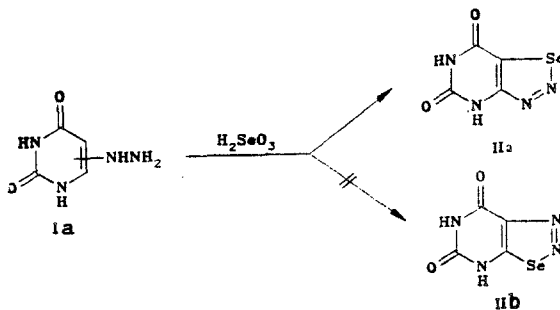
# 1,2,3-SELENIUMDIAZOLO[4,5-d]PYRIMIDINE-5,7(4H,6H)DIONE - A

## NEW CONDENSED HETERO SYSTEM

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We have found that the reaction of 6-hydrazinouracil (Ia) with selenous acid in an ethanol-water medium, carried out at room temperature for 30 min, leads to compound IIa.



In the cyclization of 5-hydrazinouracil (Ib) under similar conditions, a strong re-sinification of the reaction mixture is observed, from which the expected isomer IIb could not be isolated.

Compound IIa: yield 61%, mp  $> 300^\circ\text{C}$ . Mass spectrum:  $m/z$  217 ( $\text{M}^+$ ). UV spectrum:  $\lambda_{\text{max}}$  205 ( $\epsilon$  7200), 266 nm ( $\epsilon$  11320). IR spectrum: 3320 (NH),  $1708\text{ cm}^{-1}$  (C=O). The data of the elemental analysis correspond to the calculated results.

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