NEW ISOMERIZATION OF PYRIMIDO[2,1-a] ISOINDOLE DERIVATIVES

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In tests of dehydrogenation of compounds Ia, b by elemental sulfur in DNFA we have discovered a previously unknown isomerization: 6H-pyrimido[2,1-a]isoindol-2-ones (Ia-d) rearrange to 6H-pyrimido[2,1-a]isoindol-4-ones (IIa-d). The conversion takes place upon brief boiling in DNFA of Ia-d with sulfur in DNFA.

$$\begin{array}{c|c}
 & S^{\circ} \\
\hline
 & \Delta, DMF
\end{array}$$

 $a R + R^{1} = -(CH_{2})_{3}; b R + R^{1} = -(CH_{2})_{4}; c R = H, R^{1} = CH_{3}; d R = H, R^{1} = C_{6}H_{5}$ 

In the absence of sulfur the isomerization does not take place. The identity of the isomerization products and IIa-d was demonstrated by mixed melting points and comparison of the IR spectra with those of authentic samples.

Compounds IIa, b have been described in [1]; IIc, d, in [2].

## LITERATURE CITED

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