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Phosphorus, Sulfur, and Silicon and the Related Elements

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713618290>

SYNTHESIS AND REACTIONS OF SOME 3-SUBSTITUTED S-TRIAZOLO (5,4-B) NAPHTHO (2,1-D) THIAZOLES

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To cite this Article Kulkarni, A. P. , Jannawar, S. T. and Deshpande, D. S.(1979) 'SYNTHESIS AND REACTIONS OF SOME 3-SUBSTITUTED S-TRIAZOLO (5,4-B) NAPHTHO (2,1-D) THIAZOLES', Phosphorus, Sulfur, and Silicon and the Related Elements, 6: 1, 181

To link to this Article: DOI: 10.1080/03086647908080364

URL: <http://dx.doi.org/10.1080/03086647908080364>

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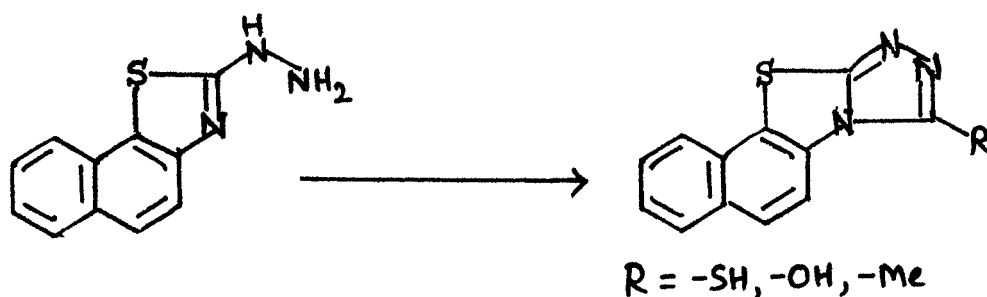
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SYNTHESIS AND REACTIONS OF SOME 3-SUBSTITUTED s-TRIAZOLO (5,4-b) NAPHTHO (2,1-d) THIAZOLES

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Synthesis of s-Triazolo (5,4-b) Naphtho (2,1-d) thiazole parent ring was recently reported¹. The starting material 2-Hydrazino (5,4-b) Naphtho (2,1-d) thiazole (I) was obtained from B Naphthyl amine converting it into thiocyanato, mercapto, chloro and finally 2-hydrazino. In our laboratory we have prepared the same from 2-amino Naphtho (2,1-d) thiazole in a single step in good yields.



Starting from 2-Hydrazino (5,4-b) Naphtho (2,1-d) thiazole 3-hydroxy, 3-mercapto and 3-methyl-s-triazolo (5,4-b) Naphtho (2,1-d) thiazoles (II) were prepared. Parent heterocycle was found to be quite stable and does not undergo any isomerization under the influence of acids and bases. Interconversions and some spectral data of these compounds are briefly discussed.

1. J.V.Singh, J.Ind.Chem.Soc., March 1974. LI(3), 443-444.