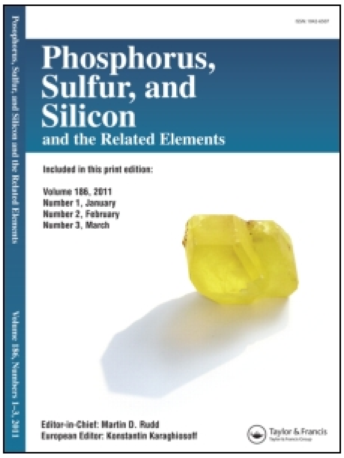

Phosphorus, Sulfur, and Silicon and the Related Elements
Publication details, including instructions for authors and subscription information:
http://www.informaworld.com/smpp/title~content=t713618290

THE REARRANGEMENT OF N-ACYL-AMINOSULFONIUMSALTS

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To cite this Article Vilsmaier, Elmar , Schütz, Jochen and Bayer, Reinhard(1979) 'THE REARRANGEMENT OF N-ACYL-AMINOSULFONIUMSALTS', Phosphorus, Sulfur, and Silicon and the Related Elements, 6: 1, 317 — 318
To link to this Article: DOI: 10.1080/03086647908080432
URL: http://dx.doi.org/10.1080/03086647908080432

Phosphorus and Sulfur
1979, Vol. 6, pp. 317–318

THE REARRANGEMENT OF N-ACYL-AMINOSULFONIUMSALTS

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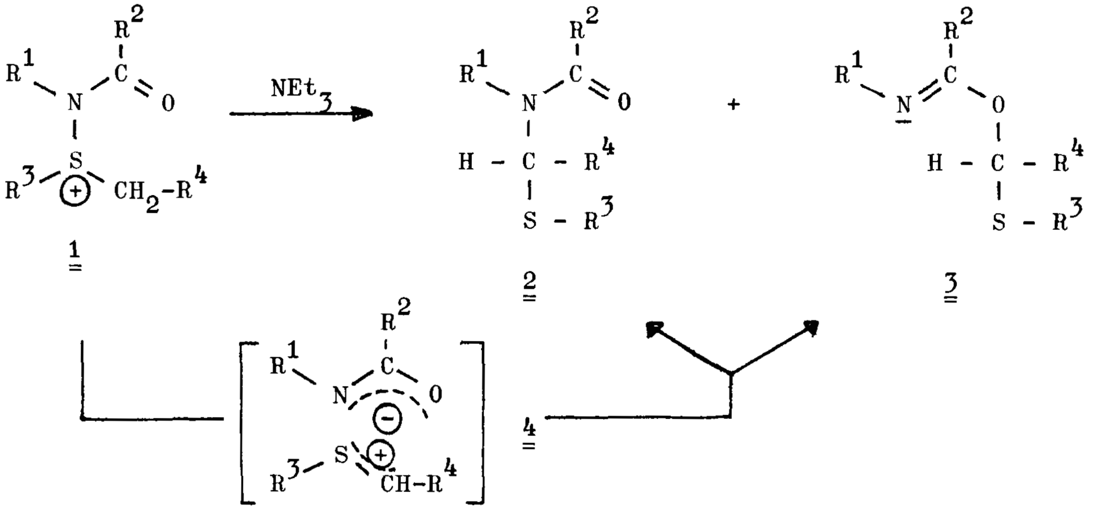
The reaction of the azasulfonium salts 1 with tertiary amines gives various amounts of the products 2 and 3, resulting from a 1.2- resp. a 2.3-shift.



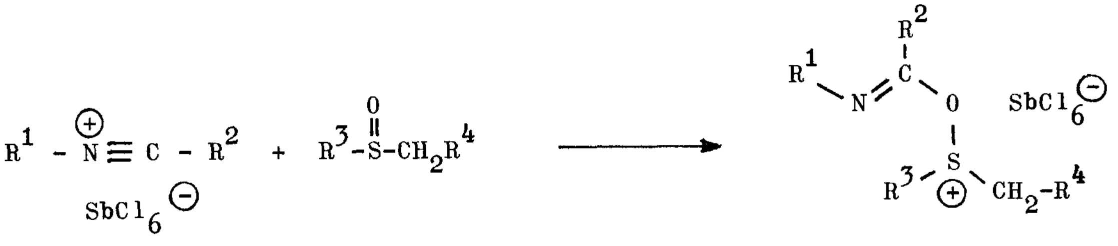
The possibility of an ionpair 4 as an intermediate in the rearrangement of 1 is tested in the following ways:

(i) the influence of the sulfide-moiety of the aminosulfonium salt 1

(ii) the influence of the solvent of the formation of 2 and 3

(iii) the stereochemistry of the imidate 3 formed in the rearrangement

(iv) the possibility to obtain the ionpair 4 on an independent way; this will be tried by an analogous rearrangement of an imidoxysulfonium salt 5, which is expected from the interaction of a sulfoxide with a nitrilium salt 6.



6 **5**

Addition of a tertiary amine to a mixture of **6** and dimethylsulfoxide at - 80°C gives products equal with those, formed from **1** and triethylamine. As shown by low temperature H-NMR-spectroscopy this is not the consequence of an ionpair **4** from **5** and the tertiary amine but of a very easy rearrangement of **5** to **1**.