

sulfuration, desulfuration, sulfonation, desulfonation

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Reaction of (2-Phenoxyethylene)sulfonyl Fluoride with HS-Compounds and Sodium Diethyldithiocarbamate.

— Reaction of (2-phenoxyethylene)sulfonyl fluoride (I) with thiol compounds (II) and (VI) affords, depending on the nature of solvent and the amount of catalyst, the products of nucleophilic addition [cf. (III) and (VIII)] the products of nucleophilic vinyl substitution [cf. (IV) and (IX)] or cyclic sulfides [cf. (V) and (VII)]. In any case, the reaction is proposed to go via thiol addition to the double bond with subsequent elimination or cyclization. With sodium diethyldithiocarbamate (X), the nucleophilic vinyl substitution takes place followed by substitution of the fluorine with in situ formed phenolate. — (BYCHKOVA, T. I.; POMASKINA, N. G.; KRON, V. A.; RATOVSII, G. V.; ROKHIN, A. V.; Zh. Org. Khim. 33 (1997) 10, 1532-1536; Inst. nefte-uglekhim. sint., Irkutskogo gos. univ., Irkutsk 664033, Russia; RU)

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