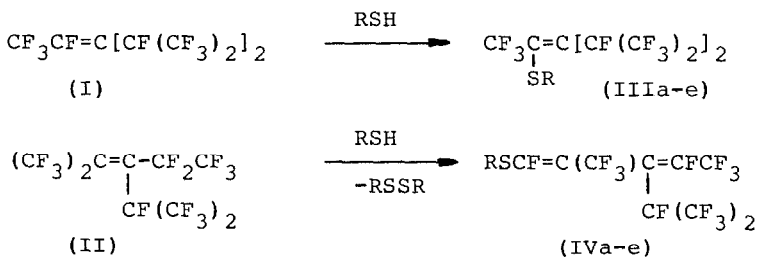


REACTIONS OF HEXAFLUOROPROPENE TRIMERS WITH THIOLS

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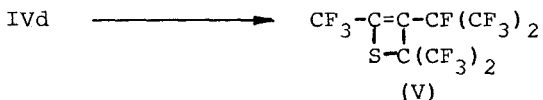
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The HFP trimers (I) and (II) were shown to react readily with thiols in the presence of Et_3N . Trimer (I) produces vinylic fluorine atom substitution products (IIIa-e) (yields 78-82%). The reaction of trimer (II) with thiols gives corresponding alkyl(aryl)-perfluoropentadienylsulfides (IVa-e) in good yields. The scheme explaining the formation of products (IVa-e) is proposed.



R = Et (a), n-Pr (b), n-Bu (c), t-Bu (d), Ph (e).

The first representative of perfluoroalkylsubstituted thietes - perfluoro-2,4,4-trimethyl-3-isopropyl-2-thiete (V) is obtained by decomposition of product (IVd).



Thiete (V) preparation by a convenient one-part procedure directly from HFPT is also described.