

PREPARATION AND REACTIONS OF 2,3,4,5-TETRAKIS(TRIFLUOROMETHYL-SULFONYL)PYRROLE

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A complete oxidation of tetrakis(trifluoromethylmercapto)pyrrole to the title compound is achieved using CrO_3 in concentrated H_2SO_4 as an oxidizing agent. The reaction provides the compound in good yields. The thermodynamically very stable substance is not sensitive to hydrolysis and behaves in aqueous solution as an acid forming salts with silver, mercury, potassium as well as 1:1 adducts with pyridine, $(\text{C}_2\text{H}_5)_3\text{N}$ and $(\text{C}_2\text{H}_5)_2\text{NH}$.

The reactivity of the newly prepared substances is in good agreement with the paraelement concept.