

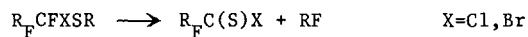
O₄₉

PERFLUOROALKYLTHIOACYL HALIDES: ACCESS FROM SULFIDES

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Perfluoroalkylthioacyl halides are generated by reaction of an alkyl-perfluoroalkylthioether with a Lewis acid.



TiF₄ and TiCl₄ are appropriate Lewis acids. This reaction, analogous to the transformation of alkylperfluoroalkylethers to perfluoroacyl halides, uses easily available sulfides as starting materials, and a much milder temperature than previous methods.