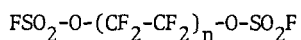


NEW BIFUNCTIONAL COMPOUNDS DERIVED FROM PERFLUOROOLEFINS

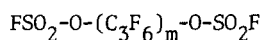
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Fluorinated olefins like tetrafluoroethylene or hexafluoropropene react with electrochemically produced peroxydisulfuryl-difluoride in fluorosulfonic acid to form oligomeric bisfluorosulfates of formulas I and II.



I n = 1 - 5



II m = 1, 2

The composition of I and II has been determined. In addition, the structures of the isomeric substances in II m = 2 have been elucidated. The bisfluorosulfates are used for the preparation of bifunctional compounds, especially with two functional groups of different reactivity. The used synthetic pathways will be presented.