

Phthalocyanines and Related Compounds: XLVIII.¹ Stepwise Nucleophilic Substitution in Tetrachlorophthalonitrile: Synthesis of Polysubstituted Phthalonitriles

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Abstract—Chlorine-containing products of incomplete nucleophilic substitution in tetrachlorophthalonitrile were subjected to further reaction with nucleophiles. The nature of the nucleophiles and the order of their introduction into stepwise nucleophilic substitution in tetrachlorophthalonitrile were shown to be of principal importance for selective synthesis on this basis of phthalonitrile derivatives with various substituents.

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