

# Cleavage and Formation of P-C Bonds During an Unusual Kinnear-Perren Reaction

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Kinnear-Perren Reaction, Triphenylmethyl

Treatment of triphenylmethyldichlorophosphine **1** with aluminium trichloride in the presence of *tert*-butyl chloride leads, after hydrolysis, with high selectivity to di-*tert*-butylphosphinic chloride **5**. The reaction is suggested to proceed via a chlorophosphinidene intermediate which is trapped by the alkyl chloride.

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