

Title (en)

PROCESS FOR THE PREPARATION OF SECONDARY AND TERTIARY AMINES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SEKUNDÄREN UND TERTIÄREN AMINEN

Title (fr)

PROCEDE DE PREPARATION D'AMINES SECONDAIRES

Publication

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Application

EP 00966976 A 20000927

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Abstract (en)

[origin: CA2394519A1] N,N-disubstituted amines in which the amino nitrogen atom is bound to the carbon of an aromatic ring disubstituted in the positions ortho to the carbon atom, are prepared by allowing a primary amine and a compound in which an ortho, ortho-disubstituted aromatic compound carrying a nucleofuge substituent, to react in a basic environment in the presence of a catalytic palladium(0) complex and a ligand, the ratio of palladium complex to ligand being greater than at least 1:1. A typical embodiment involves the reaction of 2-methyl-6-ethylphenyl-trifluoromethylsulfonate and (S)-1-methoxy-2-aminopropane in the presence of bis(dibenzylideneacetone)palladium, tri-tert.-butylphosphine, and sodium tert.-butoxide to yield (S)-N-(1-methoxyprop-2-yl)-2-methyl-6-ethylphenylamine.

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