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Ammine Synthetized From Nitrile A New Synthetic Pathways**Antonio Steardo***University of Rome, Italy*

Amines are commercially important as they are widely used in pharmaceutical industry as also in agrochemical, for fertilizer production. Nitriles produce various amines as well as ammonia under catalytic hydrogenation condition. As amines are nitrogen containing compounds that are derived from ammonia. Amines have been traditionally synthesized by substituting the hydrogen atoms in the ammonia with substituents by chemical reaction. CHANDRASHEKAR et al. introduce a new synthesis using nickel salt and phosphine ligand under 40 bar hydrogen pressure to obtain a selective catalysis in to primary, secondary, tertiary amine as also among its derivate containing stabile isotope, using tri fluoro-ethanol starting from nitrile group. A limitation of this method is that it is less reactive amines. They find difficulty to start the reaction process. Nevertheless, this methods finds a wide adherence in industrial application thank to its chemical characteristic, its isotopic stability and cheap employment and most of all lineal catalysis can produce a broad range of Amiens. Indeed, industrial application expects an improvement to amine synthesis to access to a large variety of proofed derived amine.

Biography

Doctor Antonio Steardo specialised in Pharmacology and graduated in Pharmacy and Pharmaceutical Chemistry. He has gained years of experience since 2002 in the pharmaceutical products trade sector as he could have been behind the counter of the Steardo pharmacy from an early age. Already in elementary school, his curiosity for chemistry manifests itself during his games and continues lectures at the department of science at the University of Salerno. Therefore, during the cycle of studies, he preferred biochemistry and biochemistry of drug action, graduating in July 2007 with a thesis on the functioning of the endo cannabinoid system on Alzheimer's disease in pharmacology.