Process for the preparation of 4-amino-2,2,6,6-tetramethylpiperidine

Abstract:

Process for the preparation of 4-amino-2,2,6,6-tetramethylpiperidine by reacting 2,2,6,6-tetramethylpiperidin-4-one with ammonia and hydrogen in the presence of nickel or cobalt catalysts and water, characterized in that the main reaction is carried out at a pressure of at most 50 bar and a temperature of at most 120°C up to a conversion of the 2,2,6,6-tetramethylpiperidin-4-one of at least 80% and then an afterreaction takes place at a higher temperature and at a higher pressure compared to the pressure and temperature of the main reaction.

Figure : None