Claims

1. Process for the preparation of trans 4-amino-cyclohexil ethyl acetate HCl characterized in that

a) hydrogenating 4-nitrophenyl acetic acid in a protic solvent at a temperature between 40-50°C in the presence of Pd/C under 0.1-0.6 bar overpressure, and

b) further hydrogenating the 4-aminophenyl acetic acid obtained in situ in step a) at a temperature between 50-60 °C under 1-4 bar overpressures, then

c) heating the 4-aminocyclohexil acetic acid obtained in step b) to reflux for 1-3 hours in hydrochloric ethanol, and if desired after removing the solvent acetonitrile is added to the residue obtained and then distilled off.

2. Process according to claim 1 characterized in that as a solvent water is employed.

3. Process according to claim 1 characterized in that in step a) the hydrogenation is carried out at a temperature between 44-46 °C.

4. Process according to claim 1 characterized in that in step b) the hydrogenation is carried out at a temperature between 55-58 °C.

Claims

1. Process for the preparation of trans 4-amino-cyclohexil ethyl acetate HCl characterized in that

a) hydrogenating 4-nitrophenyl acetic acid in a protic solvent at a temperature between 40-50°C in the presence of Pd/C under 0.1-0.6 bar overpressure, and

b) further hydrogenating the 4-aminophenyl acetic acid obtained in situ in step a) at a temperature between 50-60 °C under 1-4 bar overpressures, then

c) heating the 4-aminocyclohexil acetic acid obtained in step b) to reflux for 1-3 hours in hydrochloric ethanol, and if desired after removing the solvent acetonitrile is added to the residue obtained and then distilled off.

2. Process according to claim 1 characterized in that as a solvent water is employed.

3. Process according to claim 1 characterized in that in step a) the hydrogenation is carried out at a temperature between 44-46 °C.

4. Process according to claim 1 characterized in that in step b) the hydrogenation is carried out at a temperature between 55-58 °C.

5. Process according to claim 1 characterized in that in step c) acetonitrile is added to the residue after removing the solvent.