Synthesis 4-piperoilmorpholine from piperine

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Piperine was isolated from black pepper by soxhletation method using a technical ethanol solvent. This compound is used as precursor for the synthesis of 4-piperoilmorholine. The synthesis was carried out via a pre-target piperoilchloride, where the piperine was initially hydrolyzed using KOH ethanolate for 24 hours, added SOCl2 and then mixed with morpholine at 0-5 ° C. The result of synthesis was obtained 4-piperoilmorpholine with yield of 40,80%.

Keywords: 4-piperoilmorpholine, piperine, soxhletation, hydrolysis