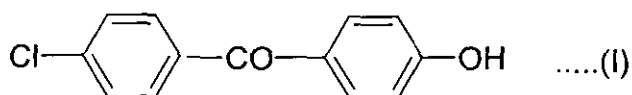


We claim

1. One-pot process for preparation of 4-chloro-4-hydroxy benzophenone compound of formula I



comprising acylation of para-chlorobenzoyl chloride with phenol in presence of Lewis acid and by using nitrobenzene or O-dichlorobenzene as a solvent or mixture thereof, at an elevated temperature.

2. One-pot process for preparation of 4-chloro-4-hydroxy benzophenone compound of formula I according to claim 1 wherein lewis acid is aluminium chloride.

3. One pot process for preparation of 4-chloro-4-hydroxy benzophenone compound of formula I according to claim 1 wherein aluminium chloride is 1.5-2.1 mole.

4. One pot process for preparation of 4-chloro-4-hydroxy benzophenone compound of formula I according to claim 1 wherein elevated temperature is 30-120 °C.

5. One pot process for preparation of 4-chloro-4-hydroxy benzophenone compound of formula I according to claim 1 wherein 4-chloro-4-hydroxy benzophenone compound of formula I further purified by crystallization with polar and non polar solvents.

6. One pot process for preparation of 4-chloro-4-hydroxy benzophenone compound of formula I according to claim 5 wherein solvents are Benzene,

Toluene and Xylene and polar solvents like acetone, methanol and ethanol or mixture thereof,

Dated this 11th day of November 2009

Applicant



Satish B. Limaye

Asst. Manager – Sci. Info. & IP Management

