

Abstract:

Disclosed herein is a process for preparation and purification of DL-Homocysteine thiolactone hydrochloride comprising demethylation of DL-methionine to obtain disodium salt of DL-homocysteine, followed by its cyclisation to obtain DL-Homocysteine thiolactone hydrochloride and removal of inorganic salt from the product mixture by employing phase transfer catalyst in aqueous alcoholic medium. The process of the present invention also comprises removal of excess water and hydrochloric acid after cyclisation to DL-Homocysteine thiolactone hydrochloride using aromatic hydrocarbon or its derivatives.