

Preparation of epoxides by means of aromatic peroxy-carboxylic acids

5 Abstract

Preparation of epoxides from olefins by means of aromatic peroxy-carboxylic acids comprises a step A of epoxidizing the olefin and removing the resulting aromatic carboxylic acid from the epoxide, 10 a step B of catalytically hydrogenating the removed aromatic carboxylic acid to the corresponding aromatic aldehyde, and a step C of oxidizing this aldehyde with oxygen or an oxygen-containing gas mixture back to the aromatic peroxy-carboxylic acid for re-use for epoxidizing an olefin.

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