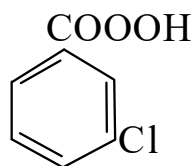




>>Entry Name: 3-Chloroperbenzoic acid

Synonym(s): 3-Chlorobenzenecarboperoxoic acid, 9Cl. MCPBA



CAS Registry Number: 937-14-4

Molecular Formula: $C_7H_5ClO_3$

Molecular Weight: 172.567

Accurate Mass: 171.992722

Percentage Composition: C 48.72%; H 2.92%; Cl 20.54%; O 27.81%

Use/Importance: Reagent for the detn. of carbon-carbon double bonds. Reagent for oxidations, esp. Baeyer-Villiger peroxidations. Also a selective reagent for removal of *O*-propenyl protecting groups. Used in the epoxidation of alkenes

Physical Description: Cryst.

Melting Point: Mp 94°

pKa Value: pK_a 7.57 (25°)

Aldrich: 27303-1

Fluka: 25800

Sigma: C4890

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