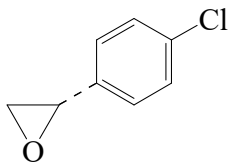




>>Entry Name: (4-Chlorophenyl)oxirane, 9Cl

Synonym(s): 1-Chloro-4-(epoxyethyl)benzene, 8Cl. *p*-Chlorostyrene oxide



(*S*)-form

CAS Registry Number: 2788-86-5

Related CAS Registry Numbers(s): 21019-51-2

Molecular Formula: C₈H₇ClO

Molecular Weight: 154.595

Accurate Mass: 154.018542

Percentage Composition: C 62.15%; H 4.56%; Cl 22.93%; O 10.35%

>>Variant: (*S*)-form

CAS Registry Number: 97466-49-4

Molecular Formula: C₈H₇ClO

Molecular Weight: 154.595

Accurate Mass: 154.018542

Percentage Composition: C 62.15%; H 4.56%; Cl 22.93%; O 10.35%

Optical Rotation: $[\alpha]_{\text{D}}^{20} +19.3$ (c, 1.16 in CHCl₃) (>=98% ee)

>>Variant: (±)-form

CAS Registry Number: 53649-47-1

Molecular Formula: C₈H₇ClO

Molecular Weight: 154.595

Accurate Mass: 154.018542

Percentage Composition: C 62.15%; H 4.56%; Cl 22.93%; O 10.35%

Boiling Point: Bp_{0.1} 35°

Density: d₄²⁰ 1.22

Refractive Index: n_D²⁰ 1.5541

References:

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