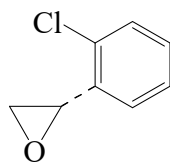




>>Entry Name: (2-Chlorophenyl)oxirane, 9Cl

Synonym(s): 1-Chloro-2-(epoxyethyl)benzene, 8Cl. *o*-Chlorostyrene oxide



(*S*)-form

CAS Registry Number: 62717-50-4

Extra CAS Registry Numbers(s): 62566-66-9

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: 141394-10-7

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: $[\alpha]_D^{25} +32.2$ (c, 1.19 in CHCl₃)

>>Variant: (±)-form

CAS Registry Number: 146566-02-1

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%

Physical Description: Oil

Boiling Point: Bp_{0.22} 41°

References:

Maryanoff, B.E. *et al.*, *J. Med. Chem.*, 1987, **30**, 1443-1454, (*synth, pmr*)

Perrone, R. *et al.*, *J. Med. Chem.*, 1992, **35**, 3045-3049, (*synth, pmr, ms*)

Spelberg, J.H.L. *et al.*, *Tetrahedron: Asymmetry*, 1998, **9**, 459-466, (*S*-form, *resoln, pmr, cmr*)