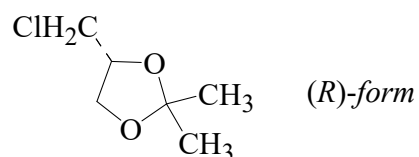




>>Entry Name: 4-(Chloromethyl)-2,2-dimethyl-1,3-dioxolane, 9Cl, 8Cl

Synonym(s): 3-Chloro-1,2-propanediol acetonide



CAS Registry Number: 4362-40-7

Molecular Formula: $C_6H_{11}ClO_2$

Molecular Weight: 150.604

Accurate Mass: 150.044757

Percentage Composition: C 47.85%; H 7.36%; Cl 23.54%; O 21.25%

Rare Chemicals Library: S86467-6

>>Variant: (R)-form

CAS Registry Number: 57044-24-3

Molecular Formula: $C_6H_{11}ClO_2$

Molecular Weight: 150.604

Accurate Mass: 150.044757

Percentage Composition: C 47.85%; H 7.36%; Cl 23.54%; O 21.25%

Boiling Point: $Bp_{12} 51^\circ$

Optical Rotation: $[\alpha]_D^{20} +40.75$ (neat)

Density: $d_4^{20} 1.11$

Aldrich: 45613-6

Other: Daiso

>>Variant: (S)-form

CAS Registry Number: 60456-22-6

Molecular Formula: $C_6H_{11}ClO_2$

Molecular Weight: 150.604

Accurate Mass: 150.044757

Percentage Composition: C 47.85%; H 7.36%; Cl 23.54%; O 21.25%

Physical Description: Liq.

Aldrich: 45614-4

Other: Daiso

>>Variant: ($\pm$)-form

CAS Registry Number: 69427-60-7

Molecular Formula: $C_6H_{11}ClO_2$

Molecular Weight: 150.604

Accurate Mass: 150.044757

Percentage Composition: C 47.85%; H 7.36%; Cl 23.54%; O 21.25%

Boiling Point: $Bp 157^\circ$

Density: $d_{20} 1.13$

Refractive Index: $n_D^{22} 1.4333$

References:

Lee, J.B. *et al.*, *Can. J. Chem.*, 1966, **44**, 1331, (*synth*)

Becu, C. *et al.*, *J. Fluorine Chem.*, 1975, **5**, 381, (*R-form, synth*)

Lok, C.M. *et al.*, *Chem. Phys. Lipids*, 1976, **16**, 115; *CA*, **88**, 22089e, (*S-form, synth*)

Scharf, H.-D. *et al.*, *Chem. Ber.*, 1978, **111**, 639, (*synth*)

Showalter, H.D.H. *et al.*, *J. Het. Chem.*, 1986, **23**, 1487, (*synth*)

Tisato, F. *et al.*, *J. Med. Chem.*, 1996, **39**, 1253, (*synth, pmr, cmr*)