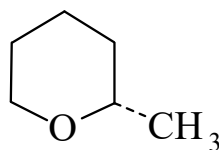




>>Entry Name: Tetrahydro-2-methyl-2*H*-pyran, 9CI

Synonym(s): 2-Methyltetrahydropyran. δ -Hexylene oxide



(*S*)-form

CAS Registry Number: 10141-72-7

Molecular Formula: C₆H₁₂O

Molecular Weight: 100.16

Accurate Mass: 100.088815

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Rare Chemicals Library: S45885-6

>>Variant: (*S*)-form

CAS Registry Number: 102208-92-4

Molecular Formula: C₆H₁₂O

Molecular Weight: 100.16

Accurate Mass: 100.088815

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Optical Rotation: $[\alpha]_D +11.81$ (c, 8.7 in CHCl₃)

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

Molecular Formula: C₆H₁₂O

Molecular Weight: 100.16

Accurate Mass: 100.088815

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Boiling Point: Bp₇₄₉ 104.5-106°

Solubility: Spar. sol. cold H₂O, less sol. hot

References:

Hanschke, E., *Chem. Ber.*, 1955, **88**, 1053, (*synth*)

Keinan, E. *et al.*, *J.A.C.S.*, 1986, **108**, 3474, (*synth, pmr, ir, ms*)