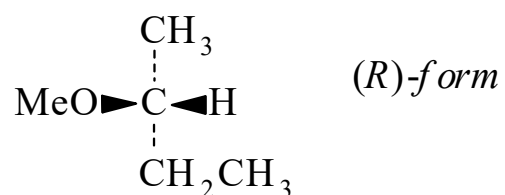




>>Entry Name: 2-Methoxybutane, 9CI

Synonym(s): 2-Butyl methyl ether



CAS Registry Number: 6795-87-5

Molecular Formula: C₅H₁₂O

Molecular Weight: 88.149

Accurate Mass: 88.088815

Percentage Composition: C 68.13%; H 13.72%; O 18.15%

Aldrich: 42446-3

Rare Chemicals Library: S87734-4

>>Variant: (*R*)-form

CAS Registry Number: 66610-40-0

Molecular Formula: C₅H₁₂O

Molecular Weight: 88.149

Accurate Mass: 88.088815

Percentage Composition: C 68.13%; H 13.72%; O 18.15%

Physical Description: Liq.

Boiling Point: Bp 61-63°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -7.54$

>>Variant: (*S*)-form

CAS Registry Number: 66610-39-7

Molecular Formula: C₅H₁₂O

Molecular Weight: 88.149

Accurate Mass: 88.088815

Percentage Composition: C 68.13%; H 13.72%; O 18.15%

Physical Description: Liq.

Boiling Point: Bp 59-60°

Optical Rotation: $[\alpha]_{\text{D}} +12.19$

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

Molecular Formula: C₅H₁₂O

Molecular Weight: 88.149

Accurate Mass: 88.088815

Percentage Composition: C 68.13%; H 13.72%; O 18.15%

Physical Description: Liq.

Boiling Point: Bp 59°

References:

Doering von E., W. *et al.*, *J.A.C.S.*, 1952, **74**, 2997, (*abs config*)

Wiberg, K.B., *J.A.C.S.*, 1952, **74**, 3891, (*synth*)