



>>Entry Name: Tetrahydro-2,5-dimethoxyfuran

Synonym(s): 2,5-Dimethoxytetrahydrofuran



CAS Registry Number: 696-59-3

Related CAS Registry Numbers(s): 13269-49-3 58693-20-2 117020-17-4 117020-18-5

Molecular Formula: C₆H₁₂O₃

Molecular Weight: 132.159

Accurate Mass: 132.078645

Percentage Composition: C 54.53%; H 9.15%; O 36.32%

Use/Importance: Reagent for pyrrole synth. Used as a soln. in 1,2-dichloroethane for photometric detn. of NH₃ ($\lambda_{\max}$ 630 nm, ϵ 45200)

Physical Description: Liq.

Solubility: Misc. EtOH, C₆H₆, Me₂CO, Et₂O

Aldrich: D13710-3

Fluka: 38821

>>Variant: (2*RS*,5*RS*)-form

Synonym(s): ($\pm$)-*trans*-form

CAS Registry Number: 130321-68-5

Molecular Formula: C₆H₁₂O₃

Molecular Weight: 132.159

Accurate Mass: 132.078645

Percentage Composition: C 54.53%; H 9.15%; O 36.32%

Boiling Point: Bp 147°

Refractive Index: n_D^{20} 1.4148

>>Variant: (2*RS*,5*SR*)-form

Synonym(s): *cis*-form

CAS Registry Number: 13269-48-2

Molecular Formula: C₆H₁₂O₃

Molecular Weight: 132.159

Accurate Mass: 132.078645

Percentage Composition: C 54.53%; H 9.15%; O 36.32%

Boiling Point: Bp 144°

Refractive Index: n_D^{20} 1.4158

References:

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