



>>Derivative: Me ether

Synonym(s): 4-Methoxy-2,5-dimethyl-3(2*H*)-furanone. *O*-Methylfuranol. **Mesifurane**. FEMA 3664

CAS Registry Number: 4077-47-8

Molecular Formula: C₇H₁₀O₃

Molecular Weight: 142.154

Accurate Mass: 142.062995

Percentage Composition: C 59.14%; H 7.09%; O 33.76%

Biological Source: Constit. of various fruits incl. raspberry, strawberry and mango

Use/Importance: Flavouring ingredient

Physical Description: Oil with burned sugar odour

Boiling Point: Bp_{0.3} 61-63°

Aldrich: W36640-4

>>Variant: (ξ)-form

Molecular Formula: C₆H₈O₃

Molecular Weight: 128.127

Accurate Mass: 128.047345

Percentage Composition: C 56.25%; H 6.29%; O 37.46%

References:

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Mayerl, F. *et al.*, *Phytochemistry*, 1989, **28**, 631, (*isol, deriv, synth*)
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