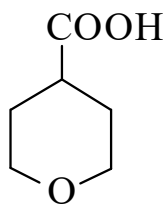




>>Entry Name: Tetrahydro-2*H*-pyran-4-carboxylic acid, 9CI



CAS Registry Number: 5337-03-1

Molecular Formula: C₆H₁₀O₃

Molecular Weight: 130.143

Accurate Mass: 130.062995

Percentage Composition: C 55.37%; H 7.74%; O 36.88%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 87°

Boiling Point: Bp₁₈ 145-150°

Solubility: Sol. H₂O, spar. sol. petrol

>>Derivative: Me ester

CAS Registry Number: 110238-91-0

Molecular Formula: C₇H₁₂O₃

Molecular Weight: 144.17

Accurate Mass: 144.078645

Percentage Composition: C 58.32%; H 8.39%; O 33.29%

Physical Description: Liq. with pleasant odour

Boiling Point: Bp₁₆ 80.5-81°

>>Derivative: Et ester

CAS Registry Number: 96835-17-5

Molecular Formula: C₈H₁₄O₃

Molecular Weight: 158.197

Accurate Mass: 158.094295

Percentage Composition: C 60.74%; H 8.92%; O 30.34%

Boiling Point: Bp₁₂ 82.5°

>>Derivative: Chloride

CAS Registry Number: 40191-32-0

Molecular Formula: C₆H₉ClO₂

Molecular Weight: 148.589

Accurate Mass: 148.029107

Percentage Composition: C 48.50%; H 6.10%; Cl 23.86%; O 21.54%

Boiling Point: Bp₁₆ 85-86°

>>Derivative: Amide

Molecular Formula: C₆H₁₁NO₂

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

Physical Description: Plates (EtOH)

Melting Point: Mp 179°

References:

Gibson, C.S. *et al.*, *J.C.S.*, 1930, 2525, (*synth*)

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Angelastro, M.R. *et al.*, *J. Med. Chem.*, 1994, **37**, 4538, (*synth*, *pmr*, *cmr*, *ms*)

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