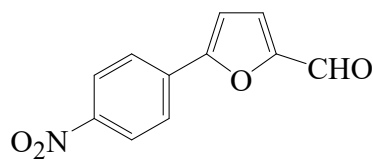




>>Entry Name: 5-(4-Nitrophenyl)-2-furancarboxaldehyde, 9CI

Synonym(s): 5-(*p*-Nitrophenyl)-2-furaldehyde, 8CI



CAS Registry Number: 7147-77-5

Molecular Formula: C₁₁H₇NO₄

Molecular Weight: 217.181

Accurate Mass: 217.037509

Percentage Composition: C 60.83%; H 3.25%; N 6.45%; O 29.47%

Physical Description: Yellow cryst. (Me₂CO)

Melting Point: Mp 213-214° (204-206°)

>>Derivative: Oxime

CAS Registry Number: 19934-32-8

Extra CAS Registry Numbers(s): 52507-69-4

Molecular Formula: C₁₁H₈N₂O₄

Molecular Weight: 232.195

Accurate Mass: 232.048408

Percentage Composition: C 56.90%; H 3.47%; N 12.06%; O 27.56%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 175-176°

>>Derivative: Thiosemicarbazone

CAS Registry Number: 22725-58-2

Physical Description: Cryst. (PhNO₂)

Melting Point: Mp 236-237°

References:

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Perjessy, A. *et al.*, *Coll. Czech. Chem. Comm.*, 1972, **37**, 3302-3306, (*ir*)

Davidson, W.J. *et al.*, *Aust. J. Chem.*, 1973, **26**, 1059, (*synth*)

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