



>>Entry Name: **1*H*-Pyrrole-3-carboxaldehyde**, 9CI

ENTRY UNDER REVIEW

Synonym(s): Pyrrole-3-aldehyde. 3-Formylpyrrole

CAS Registry Number: 7126-39-8

Molecular Formula: C₅H₅NO

Molecular Weight: 95.101

Accurate Mass: 95.037114

Percentage Composition: C 63.15%; H 5.30%; N 14.73%; O 16.82%

Physical Description: Cryst. (CCl₄/petrol)

Melting Point: Mp 64°

Boiling Point: Bp_{0.05} 98-100°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 204°

>>Derivative: *N*-Ethoxycarbonyl

Synonym(s): Ethyl 3-formyl-1*H*-pyrrole-1-carboxylate, 9CI

CAS Registry Number: 50634-06-5

Molecular Formula: C₈H₉NO₃

Molecular Weight: 167.164

Accurate Mass: 167.058244

Percentage Composition: C 57.48%; H 5.43%; N 8.38%; O 28.71%

Physical Description: Oil

Boiling Point: Bp_{0.08} 68-70°

>>Derivative: *N*-Me

CAS Registry Number: 36929-60-9

Molecular Formula: C₆H₇NO

Molecular Weight: 109.127

Accurate Mass: 109.052764

Percentage Composition: C 66.04%; H 6.47%; N 12.84%; O 14.66%

Physical Description: Liq.

Boiling Point: Bp₄ 114-117°

>>Derivative: *N*-Butyl

CAS Registry Number: 35250-61-4

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

Physical Description: Liq.

Boiling Point: Bp₃ 123-125°

>>Derivative: *N*-Ph

CAS Registry Number: 120777-22-2

Molecular Formula: C₁₁H₉NO

Molecular Weight: 171.198

Accurate Mass: 171.068414

Percentage Composition: C 77.17%; H 5.30%; N 8.18%; O 9.35%

Physical Description: Liq.

Boiling Point: Bp₃ 149-150°

References: