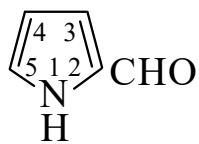




>>Entry Name: **1*H*-Pyrrole-2-carboxaldehyde**, 9CI

ENTRY UNDER REVIEW

Synonym(s): Pyrrole-2-aldehyde. 2-Formylpyrrole



CAS Registry Number: 1003-29-8

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%

Biological Source: Constit. of numerous plant spp. incl. tea, coffee and various legumes

Physical Description: Prisms (petrol)

Melting Point: Mp 50-51°

Boiling Point: Bp 217-219°. Bp₂ 78°

Aldrich: P7340-4

Fluka: 83230

Sigma: P5407

>>Derivative: Oxime

CAS Registry Number: 32597-34-5

Molecular Formula: C₅H₆N₂O

Molecular Weight: 110.115

Accurate Mass: 110.048013

Percentage Composition: C 54.54%; H 5.49%; N 25.44%; O 14.53%

Physical Description: Needles (CHCl₃ or C₆H₆)

Melting Point: Mp 165-166°

>>Derivative: Phenylhydrazone

CAS Registry Number: 81280-72-0

Physical Description: Needles (petrol)

Melting Point: Mp 139-139.5°

>>Derivative: 4-Nitrophenylhydrazone

Physical Description: Red needles (xylene)

Melting Point: Mp 182.5-183°

>>Derivative: Ethylene dithioketal

Synonym(s): 2-(2-Pyrrolyl)-1,3-dithiolane. 2-(1,3-Dithiolan-2-yl)-1*H*-pyrrole, 9CI

CAS Registry Number: 70582-57-9

Molecular Formula: C₇H₉NS₂

Molecular Weight: 171.287

Accurate Mass: 171.017639

Percentage Composition: C 49.09%; H 5.30%; N 8.18%; S 37.44%

Physical Description: Light yellow oil

Melting Point: Mp 27-30°

>>Derivative: *N*-Ac

CAS Registry Number: 30186-49-3

Molecular Formula: C₇H₇NO₂

Molecular Weight: 137.138

Accurate Mass: 137.047679

Percentage Composition: C 61.31%; H 5.14%; N 10.21%; O 23.33%

Physical Description: Plates (hexane) cryst. (Et₂O/petrol)

Melting Point: Mp 78-78.5°