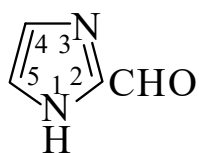




>>Entry Name: **1*H*-Imidazole-2-carboxaldehyde**, 9CI

Synonym(s): 2-Formylimidazole



CAS Registry Number: 10111-08-7

Molecular Formula: C₄H₄N₂O

Molecular Weight: 96.088

Accurate Mass: 96.032363

Percentage Composition: C 50.00%; H 4.20%; N 29.15%; O 16.65%

Physical Description: Beige cryst. (H₂O)

Melting Point: Mp 206-207° (190-196°)

Aldrich: 32844-8

Fluka: 56755

>>Derivative: Phenylhydrazone

CAS Registry Number: 13750-85-1

Physical Description: Cryst. (EtOH)

Melting Point: Mp 155-156°

>>Derivative: 2,4-Dinitrophenylhydrazone; hydrochloride

CAS Registry Number: 13918-52-0

Physical Description: Cryst. (EtOH/HCl)

Melting Point: Mp 310-312°

>>Derivative: Di-Me acetal

Synonym(s): 2-(Dimethoxymethyl)-1*H*-imidazole

CAS Registry Number: 112655-19-3

Molecular Formula: C₆H₁₀N₂O₂

Molecular Weight: 142.157

Accurate Mass: 142.074228

Percentage Composition: C 50.69%; H 7.09%; N 19.71%; O 22.51%

Physical Description: Needles (toluene)

Melting Point: Mp 120-121°

>>Derivative: Di-Et acetal

Synonym(s): 2-(Diethoxymethyl)-1*H*-imidazole

CAS Registry Number: 13750-84-0

Molecular Formula: C₈H₁₄N₂O₂

Molecular Weight: 170.211

Accurate Mass: 170.105528

Percentage Composition: C 56.45%; H 8.29%; N 16.46%; O 18.80%

Physical Description: Light-brown needles (CH₂Cl₂)

Melting Point: Mp 116°

References:

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