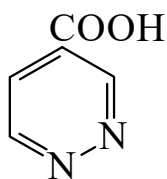




>>Entry Name: 4-Pyridazinecarboxylic acid, 9CI



CAS Registry Number: 50681-25-9

Molecular Formula: C₅H₄N₂O₂

Molecular Weight: 124.099

Accurate Mass: 124.027278

Percentage Composition: C 48.39%; H 3.25%; N 22.57%; O 25.78%

Source/Synthesis: Antimetab. in bacteria

Physical Description: White cryst. (H₂O)

Melting Point: Mp 230-235 dec.°

>>Derivative: Me ester

CAS Registry Number: 34231-77-1

Molecular Formula: C₆H₆N₂O₂

Molecular Weight: 138.126

Accurate Mass: 138.042928

Percentage Composition: C 52.17%; H 4.38%; N 20.28%; O 23.17%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 63°

Solubility: Sol. H₂O

>>Derivative: Et ester

CAS Registry Number: 39123-39-2

Molecular Formula: C₇H₈N₂O₂

Molecular Weight: 152.152

Accurate Mass: 152.058578

Percentage Composition: C 55.26%; H 5.30%; N 18.41%; O 21.03%

Physical Description: Straw-coloured oil

Boiling Point: Bp₁₃ 125°

>>Derivative: Amide

Molecular Formula: C₅H₅N₃O

Molecular Weight: 123.114

Accurate Mass: 123.043262

Percentage Composition: C 48.78%; H 4.09%; N 34.13%; O 13.00%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 191-192°

>>Derivative: Hydrazide

Molecular Formula: C₅H₆N₄O

Molecular Weight: 138.129

Accurate Mass: 138.054161

Percentage Composition: C 43.48%; H 4.38%; N 40.56%; O 11.58%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 124-125°

References:

Leanza, N.L. *et al.*, *J.A.C.S.*, 1953, **75**, 4086, (*synth, derivs*)