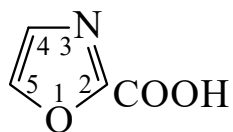




>>Entry Name: 2-Oxazolecarboxylic acid, 9CI



Related CAS Registry Numbers(s): 68776-60-3

Molecular Formula: C₄H₃NO₃

Molecular Weight: 113.073

Accurate Mass: 113.011294

Percentage Composition: C 42.49%; H 2.67%; N 12.39%; O 42.45%

>>Derivative: Me ester

CAS Registry Number: 31698-88-1

Molecular Formula: C₅H₅NO₃

Molecular Weight: 127.099

Accurate Mass: 127.026944

Percentage Composition: C 47.25%; H 3.97%; N 11.02%; O 37.76%

Physical Description: Solid (petrol)

Melting Point: Mp 86-87°

>>Derivative: Et ester

CAS Registry Number: 33036-67-8

Molecular Formula: C₆H₇NO₃

Molecular Weight: 141.126

Accurate Mass: 141.042594

Percentage Composition: C 51.06%; H 5.00%; N 9.92%; O 34.01%

Physical Description: Needles

Melting Point: Mp 84-85°

>>Derivative: Hydrazide

CAS Registry Number: 90831-48-4

Molecular Formula: C₄H₅N₃O₂

Molecular Weight: 127.102

Accurate Mass: 127.038177

Percentage Composition: C 37.80%; H 3.96%; N 33.06%; O 25.18%

Physical Description: Solid

Melting Point: Mp 170-171°

References:

Carrara, G. *et al.*, *Gazz. Chim. Ital.*, 1952, **82**, 652, (*synth, hydrazide*)

Jones, G. *et al.*, *J.C.S.(C)*, 1971, 1196, (*synth, pmr, ir, uv, ester*)