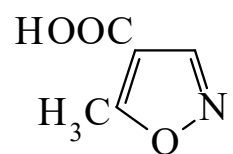




>>Entry Name: 5-Methyl-4-isoxazolecarboxylic acid



CAS Registry Number: 42831-50-5

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%

Other Data: Prepn. well descr. but no phys. props. reported

>>Derivative: Et ester

CAS Registry Number: 51135-73-0

Molecular Formula: C₇H₉NO₃

Molecular Weight: 155.153

Accurate Mass: 155.058244

Percentage Composition: C 54.19%; H 5.85%; N 9.03%; O 30.94%

Other Data: No phys. props. reported

>>Derivative: Chloride

Molecular Formula: C₅H₄ClNO₂

Molecular Weight: 145.545

Accurate Mass: 144.993056

Percentage Composition: C 41.26%; H 2.77%; Cl 24.36%; N 9.62%; O 21.99%

Physical Description: Pungent liq.

Boiling Point: Bp₁₄ 78-79°

Hazard & Toxicity: Explosion haz. on dist.

References:

Tamura, Y. *et al.*, *J.C.S. Perkin 1*, 1973, 2580, (*synth*)

Doleschall, G. *et al.*, *J.C.S. Perkin 1*, 1988, 1875, (*synth, chloride, ir*)