



>>Entry Name: 5-Oxazolecarboxylic acid, 9CI

CAS Registry Number: 118994-90-4

Related CAS Registry Numbers(s): 68776-61-4

Molecular Formula: $C_4H_3NO_3$

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: 121432-12-0

Molecular Formula: $C_5H_5NO_3$

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

Melting Point: Mp 44-46°

>>Derivative: Et ester

Molecular Formula: $C_6H_7NO_3$

Molecular Weight: 141.126

Accurate Mass: 141.042594

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

Physical Description: Liq.

References:

U.S. Pat., 1988, 4 785 012; *CA*, **110**, 231615k

Maguestiau, A. *et al.*, *Heterocycles*, 1989, **29**, 103, (*Me ester, synth, pmr, ms*)

Vedejs, E. *et al.*, *J.O.C.*, 1999, **64**, 1011-1014, (*Et ester, synth, ir, pmr, cmr*)