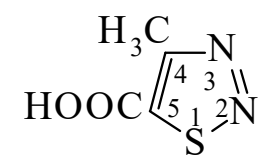




>>Entry Name: 4-Methyl-1,2,3-thiadiazole-5-carboxylic acid, 9CI



CAS Registry Number: 18212-21-0

Molecular Formula: C₄H₄N₂O₂S

Molecular Weight: 144.154

Accurate Mass: 143.999348

Percentage Composition: C 33.33%; H 2.80%; N 19.43%; O 22.20%; S 22.24%

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 173-174 dec.°

Other Data: Decarboxylates at 185-95°

>>Derivative: Et ester

Molecular Formula: C₆H₈N₂O₂S

Molecular Weight: 172.207

Accurate Mass: 172.030648

Percentage Composition: C 41.85%; H 4.68%; N 16.27%; O 18.58%; S 18.62%

Boiling Point: Bp₂ 86°

References:

Raap, R. *et al.*, *Can. J. Chem.*, 1968, **46**, 1057