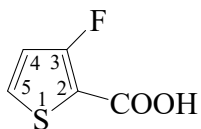




>>Entry Name: 3-Fluoro-2-thiophenecarboxylic acid, 9Cl



CAS Registry Number: 32431-84-8

Molecular Formula: C₅H₃FO₂S

Molecular Weight: 146.142

Accurate Mass: 145.983778

Percentage Composition: C 41.09%; H 2.07%; F 13.00%; O 21.90%; S 21.94%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 172-173° (158°)

>>Derivative: Me ester

CAS Registry Number: 100421-52-1

Molecular Formula: C₆H₅FO₂S

Molecular Weight: 160.169

Accurate Mass: 159.999428

Percentage Composition: C 44.99%; H 3.15%; F 11.86%; O 19.98%; S 20.02%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 51-53°

References:

El Kassini, A. *et al.*, *Synth. Commun.*, 1994, **24**, 95, (*synth, pmr, cmr, F-19 nmr, ms*)

Taylor, E.C. *et al.*, *Org. Prep. Proced. Int.*, 1997, **29**, 221, (*synth, pmr, cmr*)

Kobarfard, F. *et al.*, *J. Het. Chem.*, 1999, **36**, 1247-1251, (*Me ester*)