



>>Entry Name: 11-Mercaptoundecanoic acid

CAS Registry Number: 71310-21-9

HSCH2(CH2)9COOH

Molecular Formula: C₁₁H₂₂O₂S

Molecular Weight: 218.36

Accurate Mass: 218.13405

Percentage Composition: C 60.51%; H 10.15%; O 14.65%; S 14.68%

Physical Description: Cryst. (petrol)

Melting Point: Mp 49-51°

>>Derivative: Me ester

CAS Registry Number: 73391-27-2

Molecular Formula: C₁₂H₂₄O₂S

Molecular Weight: 232.386

Accurate Mass: 232.1497

Percentage Composition: C 62.02%; H 10.41%; O 13.77%; S 13.80%

Melting Point: Mp 43-45°

>>Derivative: Et ester

CAS Registry Number: 1725-06-0

Molecular Formula: C₁₃H₂₆O₂S

Molecular Weight: 246.413

Accurate Mass: 246.16535

Percentage Composition: C 63.37%; H 10.63%; O 12.99%; S 13.01%

Boiling Point: Bp_{0.3} 123-126°

References:

Rapoport, L. *et al.*, *J.A.C.S.*, 1947, **69**, 693-694, (*synth*)

Koenig, N.H. *et al.*, *J.O.C.*, 1958, **23**, 1525-1530, (*synth*)

Sun, F. *et al.*, *J. Polym. Sci., Polym. Chem. Ed.*, 1993, **31**, 1729-1740, (*synth, ir, pmr*)

Bader, M.M., *Phosphorus, Sulfur, Silicon, Relat. Elem.*, 1996, **116**, 77-92, (*synth*)