



>>Entry Name: **2,4-Difluorobenzenethiol**, 9CI

Synonym(s): 2,4-Difluorothiophenol. 2,4-Difluorophenyl mercaptan. 2,4-Difluoro-1-mercaptobenzene

CAS Registry Number: 1996-44-7

Molecular Formula: C₆H₄F₂S

Molecular Weight: 146.16

Accurate Mass: 146.000176

Percentage Composition: C 49.31%; H 2.76%; F 26.00%; S 21.94%

Physical Description: Red oil

Boiling Point: Bp₁₆ 75°. Bp₂₀ 59°

>>Derivative: S-Me

Synonym(s): 2,4-Difluoro-1-(methylthio)benzene, 9CI

CAS Registry Number: 130922-40-6

Molecular Formula: C₇H₆F₂S

Molecular Weight: 160.187

Accurate Mass: 160.015826

Percentage Composition: C 52.49%; H 3.78%; F 23.72%; S 20.02%

Physical Description: Oil

Boiling Point: Bp₁₄ 69-70°

References:

Klages, F. *et al.*, *Chem. Ber.*, 1964, **97**, 735, (*synth*)

Japan. Pat., 1990, 49 764; *CA*, **113**, 40146k, (*synth*)

Benassi, R. *et al.*, *Magn. Reson. Chem.*, 1990, **28**, 702, (*S-Me*)

Scheigitz, J. *et al.*, *Synth. Commun.*, 1995, **25**, 2791, (*synth, pmr*)