



>>Entry Name: [[(Methylthio)methyl]sulfonyl]benzene, 9CI

Synonym(s): (Methylthiomethyl)phenyl sulfone

CAS Registry Number: 59431-14-0

PhSO₂CH₂SMc

Molecular Formula: C₈H₁₀O₂S₂

Molecular Weight: 202.298

Accurate Mass: 202.01222

Percentage Composition: C 47.50%; H 4.98%; O 15.82%; S 31.70%

Use/Importance: Reagent for synth. of esters, ketones, and other compounds

Physical Description: Cryst. (EtOH)

Melting Point: Mp 86.5-87.5°

Aldrich: 36853-9

References:

Ogura, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1983, **56**, 3543, (*synth, pmr, ir*)