



>>Entry Name: Benzenesulfonylhydrazine

Synonym(s): Benzenesulfonic acid hydrazide, 9CI. Celogen BSH. Genitron BSH

CAS Registry Number: 80-17-1

PhSO₂NHNH₂

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%

Use/Importance: Synthetic reagent, e.g. used to prepare vinylsilanes. Blowing agent for polymers

Melting Point: Mp 101-103°

Aldrich: B380-9

Fluka: 12650

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 528C, (ir)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1629A, (nmr)

Chan, T.H. *et al.*, *Synthesis*, 1976, 801-803, (use)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1979, **7**, 13, (use)

Horyna, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1980, **45**, 1575-1580, (cmr)

Gordon, M.S. *et al.*, *Synthesis*, 1980, 244-245, (synth)