



>>Entry Name: *N*-Benzylidenebenzenesulfonamide

Synonym(s): *N*-(Phenylmethylene)benzenesulfonamide, 9CI. *N*-Benzalbenzenesulfonamide

CAS Registry Number: 13909-34-7

PhCH=NSO₂Ph

Molecular Formula: C₁₃H₁₁NO₂S

Molecular Weight: 245.301

Accurate Mass: 245.051049

Percentage Composition: C 63.65%; H 4.52%; N 5.71%; O 13.04%; S 13.07%

Use/Importance: Benzaldehyde equivalent in Knoevenagel reactions

Physical Description: Cryst. (EtOAc/pentane)

Melting Point: Mp 80-82° (78-80°)

Other Data: Dec. when allowed to stand in air

Aldrich: 30110-8

Fluka: 13465

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 542B, (*nmr*)

Kretow, A.E. *et al.*, *Zh. Obshch. Khim.*, 1957, **27**, 1993; *J. Gen. Chem. USSR (Engl. Transl.)*, 1957, **27**, 2051, (*synth, props*)

Davis, F.A. *et al.*, *J.A.C.S.*, 1981, **103**, 7061, (*synth, pmr*)

Dimmock, J.R. *et al.*, *Pharmazie*, 1987, **42**, 376, (*struct*)

Org. Synth., 1988, **66**, 203, (*synth, pmr*)

Zajac, W.W. *et al.*, *Synth. Commun.*, 1994, **24**, 427, (*use*)