



>>Entry Name: [(Phenylsulfonyl)oxy]acetonitrile, 9CI

Synonym(s): Glycolonitrile benzenesulfonate ester, 8CI. Cyanomethyl benzenesulfonate

CAS Registry Number: 10531-13-2

PhSO2OCH2CN

Molecular Formula: $C_8H_7NO_3S$

Molecular Weight: 197.214

Accurate Mass: 197.014664

Percentage Composition: C 48.72%; H 3.58%; N 7.10%; O 24.34%; S 16.26%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 32-34°

Boiling Point: Bp₁ 142-146°

Refractive Index: n_D²⁰ 1.5230

Aldrich: 14460-6

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 513C

Grudzinski, S. *et al.*, *Acta Pol. Pharm.*, 1966, **23**, 417; *CA*, **67**, 11321q, (*synth*)

Yakubovich, A.Y. *et al.*, *Zh. Org. Khim.*, 1966, **2**, 607; *CA*, **65**, 8805g, (*synth*)