



>>Entry Name: Benzyl thiocyanate

Synonym(s): Phenylmethyl thiocyanate, 9Cl. Benzyl rhodanide

CAS Registry Number: 3012-37-1

PhCH₂SCN

Molecular Formula: C₈H₇NS

Molecular Weight: 149.216

Accurate Mass: 149.029919

Percentage Composition: C 64.40%; H 4.73%; N 9.39%; S 21.49%

Biological Source: Isol. from *Lepidium sativum* as a benzyl glucosinolate (see Benzyl glucosinolate [LBB34-N](#)) degradation prod.

Physical Description: Cryst. (petrol)

Melting Point: Mp 41-42°

Hazard & Toxicity: LD₅₀ (mus, scu) 100 mg/kg

Aldrich: B3200-9

Fluka: 13929

References:

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Footner, H.B. *et al.*, *J.C.S.*, 1925, **127**, 2887, (*synth*)
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Mravec, D. *et al.*, *Coll. Czech. Chem. Comm.*, 1970, **35**, 3274, (*synth*)
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Fujiki, K. *et al.*, *Synth. Commun.*, 1999, **29**, 3289-3294, (*synth, ms*)
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