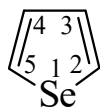




>>Entry Name: Selenophene, 9CI, 8CI

Synonym(s): Selenole. Selenofuran



CAS Registry Number: 288-05-1

Molecular Formula: C₄H₄Se

Molecular Weight: 131.036

Accurate Mass: 131.94782

Percentage Composition: C 36.66%; H 3.08%; Se 60.26%

Melting Point: Mp −38°

Boiling Point: Bp₇₅₂ 109.9-110.1°

Density: d₄¹⁵ 1.53

Aldrich: 36714-1

References:

Trombetti, A. *et al.*, *J.C.S.(A)*, 1967, 1106, (*ir, Raman, uv*)

Magdesieva, N.N., *Adv. Heterocycl. Chem.*, 1970, **12**, 1, (*rev*)

Gronowitz, S. *et al.*, *Chem. Scr.*, 1975, **7**, 111, (*cmr, pmr*)

Gronowitz, S., *Org. Compd. Sulphur, Selenium, Tellurium*, 1975, **3**, 400, (*rev*)

Jacobs, P.M. *et al.*, *J. Het. Chem.*, 1977, **14**, 1115, (*synth*)

Bechtold, W. *et al.*, *Org. Magn. Reson.*, 1982, **19**, 173, (*Se-77 nmr, cmr*)

Mohmand, S. *et al.*, *J.O.C.*, 1983, **48**, 3544, (*synth*)

Bird, C.W., *Tetrahedron*, 1985, **41**, 1409, (*aromaticity*)