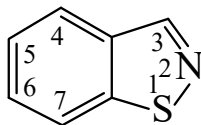




>>Entry Name: **1,2-Benzisothiazole**

Synonym(s): 1-Thia-2-azaindene



CAS Registry Number: 272-16-2

Molecular Formula: C_7H_5NS

Molecular Weight: 135.189

Accurate Mass: 135.014269

Percentage Composition: C 62.19%; H 3.73%; N 10.36%; S 23.72%

Melting Point: Mp 38-39°

Boiling Point: Bp 220°

Other Data: Strong bitter-almond odour. Steam-volatile

>>Derivative: S,S-Dioxide

CAS Registry Number: 5669-05-6

Molecular Formula: $C_7H_5NO_2S$

Molecular Weight: 167.188

Accurate Mass: 167.004099

Percentage Composition: C 50.29%; H 3.01%; N 8.38%; O 19.14%; S 19.18%

Physical Description: Cryst.

Melting Point: Mp 230-232°

Other Data: Readily trimerises

References:

Stollé, R., *Ber.*, 1925, **58**, 2095, (*synth*)

Ricci, A. *et al.*, *Ann. Chim. (Rome)*, 1963, **53**, 577, (*synth*)

Davis, M., *Adv. Heterocycl. Chem.*, 1972, **14**, 43, (*rev*)

Abramovitch, R.A. *et al.*, *Chem. Comm.*, 1983, 520, (*deriv*)

Bryce, M.R. *et al.*, *J.C.S. Perkin 1*, 1988, 2141, (*synth*)