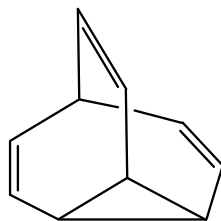




>>Entry Name: Tricyclo[3.3.2.0^{2,8}]deca-3,6,9-triene, 9CI

Synonym(s): Bullvalene



CAS Registry Number: 1005-51-2

Molecular Formula: C₁₀H₁₀

Molecular Weight: 130.189

Accurate Mass: 130.07825

Percentage Composition: C 92.26%; H 7.74%

Melting Point: Mp 96°

Other Data: Fluxionality is progressively reduced in highly substd. derivs. e.g. hexabromobullvalene where valence isomerism virtually no longer exists and two nonequilibrating isomers can be isol.

References:

- Schröder, G., *Angew. Chem., Int. Ed.*, 1963, **2**, 481,, (*synth, nmr, uv*)
Schröder, G. *et al.*, *Angew. Chem., Int. Ed.*, 1967, **6**, 414, (*rev*)
Johnson, S.M. *et al.*, *J.A.C.S.*, 1967, **89**, 7123, (*struct*)
Fant, J. *et al.*, *Tet. Lett.*, 1972, 2589, (*synth*)
Oth, J.F.M. *et al.*, *Helv. Chim. Acta*, 1974, **57**, 1415, (*pmr, cmr*)
Meier, B.H. *et al.*, *J.A.C.S.*, 1985, **107**, 5553, (*props*)
Rebsamen, K. *et al.*, *Chem. Ber.*, 1993, **126**, 1419; 1425; 1429, (*bibl, derivs*)