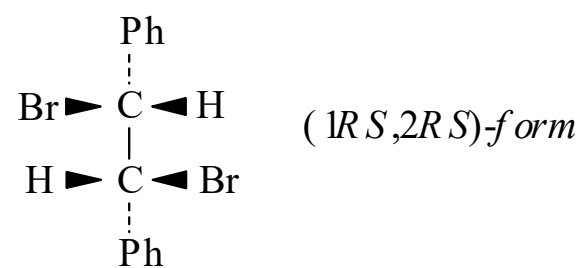




>>Entry Name: 1,2-Dibromo-1,2-diphenylethane

Synonym(s): 1,1'-(1,2-Dibromo-1,2-ethanediyl)bisbenzene, 9Cl. α,α' -Dibromobibenzyl, 8Cl. Stilbene dibromide. α,β -Dibromodibenzyl



CAS Registry Number: 5789-30-0

Molecular Formula: C₁₄H₁₂Br₂

Molecular Weight: 340.057

Accurate Mass: 337.970572

Percentage Composition: C 49.45%; H 3.56%; Br 46.99%

>>Variant: (1*R*,2*RS*)-form

Synonym(s): ($\pm$)-form

CAS Registry Number: 13027-48-0

Molecular Formula: C₁₄H₁₂Br₂

Molecular Weight: 340.057

Accurate Mass: 337.970572

Percentage Composition: C 49.45%; H 3.56%; Br 46.99%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 113-114°

>>Variant: (1*R*,2*SR*)-form

Synonym(s): *meso*-form

CAS Registry Number: 13440-24-9

Molecular Formula: C₁₄H₁₂Br₂

Molecular Weight: 340.057

Accurate Mass: 337.970572

Percentage Composition: C 49.45%; H 3.56%; Br 46.99%

Physical Description: Cryst.

Melting Point: Mp 237°

Aldrich: 10655-0

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1023D, (*ir*)

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 162B, (*nmr*)

Buckles, R.E. *et al.*, *J.A.C.S.*, 1950, **72**, 2496, (*synth*)

Hartshorn, M.P. *et al.*, *Aust. J. Chem.*, 1973, **26**, 917, (*synth*, *pmr*)

Kaupp, G. *et al.*, *Chem. Ber.*, 1987, **120**, 1897, (*synth*, *pmr*, *cmr*, *ms*)

Tanaka, K. *et al.*, *J.C.S. Perkin 1*, 1999, 3069-3070, (*synth*, *pmr*, *cmr*)