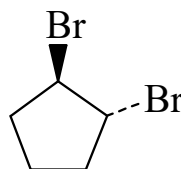




>>Entry Name: 1,2-Dibromocyclopentane



CAS Registry Number: 29974-65-0

Molecular Formula: C₅H₈Br₂

Molecular Weight: 227.926

Accurate Mass: 225.939272

Percentage Composition: C 26.35%; H 3.54%; Br 70.11%

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

Synonym(s): (±)-*trans*-form

CAS Registry Number: 10230-26-9

Molecular Formula: C₅H₈Br₂

Molecular Weight: 227.926

Accurate Mass: 225.939272

Percentage Composition: C 26.35%; H 3.54%; Br 70.11%

Boiling Point: Bp₁₅ 72.5°

Refractive Index: n_D²⁵ 1.5460

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

Synonym(s): *cis*-form

Molecular Formula: C₅H₈Br₂

Molecular Weight: 227.926

Accurate Mass: 225.939272

Percentage Composition: C 26.35%; H 3.54%; Br 70.11%

Boiling Point: Bp₁₃ 91-93°

Density: d₂₅²⁵ 1.872

Refractive Index: n_D²⁵ 1.5483

References:

Abell, P.I. *et al.*, *J.A.C.S.*, 1960, **82**, 3610-3613, (*synth*)

Altona, C. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1966, **85**, 983-997, (*synth, trans-form, pmr*)

Pechine, J.M., *Org. Mass Spectrom.*, 1971, **5**, 705-711, (*ms*)