



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

Synonym(s): 1,1'-(1,2-Ethenediyl)bisbenzene, 9CI. Stilbene, 8CI. Toluylene. Dibenzal. Dibenzylidene. Bibenzal. Bibenzylidene

CAS Registry Number: 588-59-0

PhCH=CHPh

Molecular Formula: C₁₄H₁₂

Molecular Weight: 180.249

Accurate Mass: 180.0939

Percentage Composition: C 93.29%; H 6.71%

Other Data: Resistant to polym.

Supelco: R42-3140

>>Variant: (*E*)-form

CAS Registry Number: 103-30-0

Molecular Formula: C₁₄H₁₂

Molecular Weight: 180.249

Accurate Mass: 180.0939

Percentage Composition: C 93.29%; H 6.71%

Melting Point: Mp 124°

Boiling Point: Bp 306-307°. Bp₁₂ 166-167°

Solubility: Sol. C₆H₆, Et₂O; sl. sol. EtOH; insol. H₂O

Other Data: Shows blue fluor. Steam-volatile

Aldrich: 13993-9

Fluka: 85870

Rare Chemicals Library: S45802-3

Sigma: S6382

>>Derivative: Picrate

Melting Point: Mp 94-95°

>>Variant: (*Z*)-form

Synonym(s): Isostilbene

CAS Registry Number: 645-49-8

Molecular Formula: C₁₄H₁₂

Molecular Weight: 180.249

Accurate Mass: 180.0939

Percentage Composition: C 93.29%; H 6.71%

Physical Description: Yellow oil

Melting Point: Mp 5-6°

Boiling Point: Bp₁₃ 145°

Aldrich: S480-8

Fluka: 85868

Sigma: S2259

References: