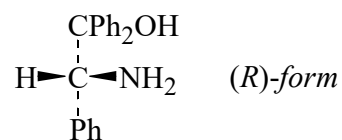




>>Entry Name: 2-Amino-1,1,2-triphenylethanol

Synonym(s): β -Amino- α,α -diphenylbenzeneethanol, 9CI



CAS Registry Number: 60539-17-5

Molecular Formula: $\text{C}_{20}\text{H}_{19}\text{NO}$

Molecular Weight: 289.376

Accurate Mass: 289.146664

Percentage Composition: C 83.01%; H 6.62%; N 4.84%; O 5.53%

>>Variant: (R)-form

CAS Registry Number: 79868-79-4

Molecular Formula: $\text{C}_{20}\text{H}_{19}\text{NO}$

Molecular Weight: 289.376

Accurate Mass: 289.146664

Percentage Composition: C 83.01%; H 6.62%; N 4.84%; O 5.53%

Physical Description: Solid (EtOH)

Melting Point: Mp 131.1-132.1°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +248$ (c, 1 in CHCl_3) (>99.8% ee)

>>Variant: (S)-form

CAS Registry Number: 129704-13-8

Molecular Formula: $\text{C}_{20}\text{H}_{19}\text{NO}$

Molecular Weight: 289.376

Accurate Mass: 289.146664

Percentage Composition: C 83.01%; H 6.62%; N 4.84%; O 5.53%

Physical Description: Needles

Melting Point: Mp 128-130°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -241.3$ (c, 2.42 in CHCl_3)

>>Variant: ($\pm$)-form

Molecular Formula: $\text{C}_{20}\text{H}_{19}\text{NO}$

Molecular Weight: 289.376

Accurate Mass: 289.146664

Percentage Composition: C 83.01%; H 6.62%; N 4.84%; O 5.53%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 154°

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