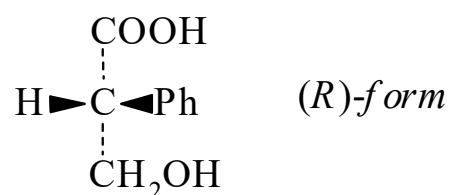




>>Entry Name: 3-Hydroxy-2-phenylpropanoic acid

Synonym(s): α -(Hydroxymethyl)benzeneacetic acid, 9Cl. Tropic acid, 8Cl. α -Hydroxymethylphenylacetic acid. β -Hydroxyhydratropic acid



CAS Registry Number: 529-64-6

Related CAS Registry Numbers(s): 37778-97-5

Molecular Formula: $\text{C}_9\text{H}_{10}\text{O}_3$

Molecular Weight: 166.176

Accurate Mass: 166.062995

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Aldrich: T8920-6

Fluka: 93540

Sigma: T7753

>>Variant: (R)-form

CAS Registry Number: 17126-67-9

Molecular Formula: $\text{C}_9\text{H}_{10}\text{O}_3$

Molecular Weight: 166.176

Accurate Mass: 166.062995

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Melting Point: Mp 129-130°

Optical Rotation: $[\alpha]_{\text{D}}^{16} +72.2$ (EtOH)

>>Derivative: Quinine salt

Melting Point: Mp 191.5-192.5°

Optical Rotation: $[\alpha]_{\text{D}} -104$ (EtOH)

>>Variant: (S)-form

CAS Registry Number: 16202-15-6

Molecular Formula: $\text{C}_9\text{H}_{10}\text{O}_3$

Molecular Weight: 166.176

Accurate Mass: 166.062995

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Biological Source: Component of Tropine tropate [BCM91-G](#) and Scopolamine [BCM79-I](#)

Melting Point: Mp 129-130°

Optical Rotation: $[\alpha]_{\text{D}}^{13} -72.5$ (EtOH)

>>Derivative: Quinine salt

Melting Point: Mp 185-186°

Optical Rotation: $[\alpha]_{\text{D}} -140.7$ (EtOH)

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

CAS Registry Number: 552-63-6

Extra CAS Registry Numbers(s): 28845-94-5

Molecular Formula: $\text{C}_9\text{H}_{10}\text{O}_3$

Molecular Weight: 166.176

Accurate Mass: 166.062995

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Melting Point: Mp 118°

Solubility: V. sol. H_2O , spar. sol. C_6H_6