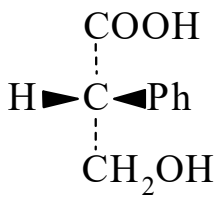
>>**Entry Name: 3-Hydroxy-2-phenylpropanoic acid**
Synonym(s): α-(Hydroxymethyl)benzeneacetic acid, 9CI. Tropic acid, 8CI. α-Hydroxymethylphenylacetic acid. β-Hydroxyhydratropic acid



(*R*)-*form*

CAS Registry Number: 529-64-6
Related CAS Registry Numbers(s): 37778-97-5

Molecular Formula: $C_9H_{10}O_3$
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: $C_9H_{10}O_3$
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: $[\alpha]_D^{16}$+72.2 (EtOH)

>>**Derivative:** Quinine salt

Melting Point: Mp 191.5-192.5°
Optical Rotation: $[\alpha]_D$ –104 (EtOH)

>>**Variant:** (*S*)-form

CAS Registry Number: 16202-15-6

Molecular Formula: $C_9H_{10}O_3$
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: $[\alpha]_D^{13}$–72.5 (EtOH)

>>**Derivative:** Quinine salt

Melting Point: Mp 185-186°
Optical Rotation: $[\alpha]_D$ –140.7 (EtOH)

>>**Variant:** (±)-form

CAS Registry Number: 552-63-6
Extra CAS Registry Numbers(s): 28845-94-5
Molecular Formula: $C_9H_{10}O_3$
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