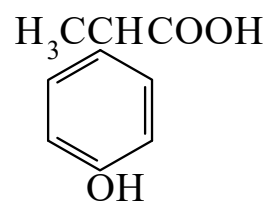




>>Entry Name: 2-(4-Hydroxyphenyl)propanoic acid

Synonym(s): 4-Hydroxy- $\alpha$ -methylbenzeneacetic acid, 9Cl. 2-(*p*-Hydroxyphenyl)propionic acid, 8Cl. 4-Hydroxyhydratropic acid



CAS Registry Number: 938-96-5

Related CAS Registry Numbers(s): 942-54-1

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%

>>Variant: (–)-form

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: Constit. of *Pterocarpus indicus*

Melting Point: Mp 141-142°

Optical Rotation:  $[\alpha]_{\text{D}} -36$  ( $\text{CHCl}_3$ )

>>Derivative: Me ether

CAS Registry Number: 53624-21-8

Molecular Formula:  $\text{C}_{10}\text{H}_{12}\text{O}_3$

Molecular Weight: 180.203

Percentage Composition: C 66.65%; H 6.71%; O 26.64%

Melting Point: Mp 57°

Optical Rotation:  $[\alpha]_{\text{D}} -67.67$  (EtOH aq.)

>>Variant: (±)-form

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%

Physical Description: Needles ( $\text{H}_2\text{O}$ ) or prisms ( $\text{Et}_2\text{O}$ )

Melting Point: Mp 130°

>>Derivative: Me ether

Synonym(s): 2-(4-Methoxyphenyl)propanoic acid

CAS Registry Number: 4842-50-6

Molecular Formula:  $\text{C}_{10}\text{H}_{12}\text{O}_3$

Molecular Weight: 180.203

Accurate Mass: 180.078645

Percentage Composition: C 66.65%; H 6.71%; O 26.64%

Physical Description: Prisms ( $\text{Et}_2\text{O}$ /petrol)

Melting Point: Mp 57°

>>Derivative: Et ether

Synonym(s): 2-(4-Ethoxyphenyl)propanoic acid

Molecular Formula:  $\text{C}_{11}\text{H}_{14}\text{O}_3$

Molecular Weight: 194.23

Accurate Mass: 194.094295

Percentage Composition: C 68.02%; H 7.26%; O 24.71%

Physical Description: Cryst. ( $\text{H}_2\text{O}$ )

Melting Point: Mp 68°

References: