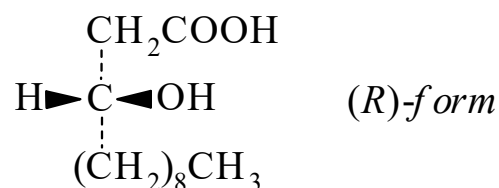




>>Entry Name: 3-Hydroxydodecanoic acid

Synonym(s): 3-Hydroxy lauric acid



CAS Registry Number: 1883-13-2

Molecular Formula: C<sub>12</sub>H<sub>24</sub>O<sub>3</sub>

Molecular Weight: 216.32

Accurate Mass: 216.172545

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

>>Variant: (R)-form

CAS Registry Number: 28254-78-6

Molecular Formula: C<sub>12</sub>H<sub>24</sub>O<sub>3</sub>

Molecular Weight: 216.32

Accurate Mass: 216.172545

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

Biological Source: Hydrol. prod. of Isariin [BCR15-L](#). Present in lipids of *Serratia marcescens* and *Azotobacter agilis*

Melting Point: Mp 62.5-63.3°

Optical Rotation:  $[\alpha]_{\text{D}}^{25} -15.2$  (c, 1.6 in CHCl<sub>3</sub>)

>>Variant: (S)-form

CAS Registry Number: 45162-48-9

Molecular Formula: C<sub>12</sub>H<sub>24</sub>O<sub>3</sub>

Molecular Weight: 216.32

Accurate Mass: 216.172545

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

Melting Point: Mp 61-63.3°

Optical Rotation:  $[\alpha]_{\text{D}}^{25} +14.4$  (c, 2.8 in CHCl<sub>3</sub>)

>>Variant: (±)-form

CAS Registry Number: 53941-38-1

Molecular Formula: C<sub>12</sub>H<sub>24</sub>O<sub>3</sub>

Molecular Weight: 216.32

Accurate Mass: 216.172545

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

Melting Point: Mp 70-70.5°

Sigma: H3398

#### References:

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