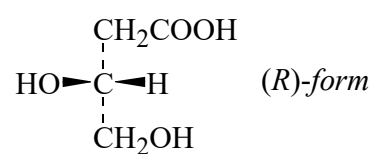




>>Entry Name: 3,4-Dihydroxybutanoic acid



CAS Registry Number: 1518-61-2

Related CAS Registry Numbers(s): 22329-74-4

Molecular Formula: C₄H₈O₄

Molecular Weight: 120.105

Accurate Mass: 120.04226

Percentage Composition: C 40.00%; H 6.71%; O 53.28%

>>Variant: (R)-form

Molecular Formula: C₄H₈O₄

Molecular Weight: 120.105

Accurate Mass: 120.04226

Percentage Composition: C 40.00%; H 6.71%; O 53.28%

>>Derivative: 3-O-β-D-Glucopyranoside

Molecular Formula: C₁₀H₁₈O₉

Molecular Weight: 282.247

Accurate Mass: 282.095085

Percentage Composition: C 42.55%; H 6.43%; O 51.02%

Biological Source: Constit. of dried *Anoectochilus formosanus*

Physical Description: Amorph.

Optical Rotation: [α]_D −5.8 (c, 1.2 in MeOH)

>>Derivative: 3-O-β-D-Glucopyranoside, Me ester

CAS Registry Number: 151162-80-0

Extra CAS Registry Numbers(s): 164453-51-4

Molecular Formula: C₁₁H₂₀O₉

Molecular Weight: 296.274

Accurate Mass: 296.110735

Percentage Composition: C 44.59%; H 6.80%; O 48.60%

Biological Source: Constit. of *Anoectochilus formosanus* and *Anoectochilus koshunensis*

>>Derivative: 3-O-β-D-Glucopyranoside, butyl ester

CAS Registry Number: 151162-81-1

Molecular Formula: C₁₄H₂₆O₉

Molecular Weight: 338.354

Accurate Mass: 338.157685

Percentage Composition: C 49.70%; H 7.74%; O 42.56%

Biological Source: Constit. of *Anoectochilus koshunensis*

Physical Description: Oil

>>Derivative: Et ester

Molecular Formula: C₆H₁₂O₄

Molecular Weight: 148.158

Accurate Mass: 148.07356

Percentage Composition: C 48.64%; H 8.16%; O 43.20%

Optical Rotation: [α]_D +14 (c, 2.8 in CHCl₃)