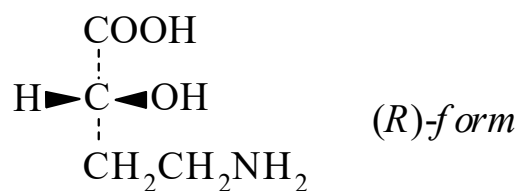




>>Entry Name: 4-Amino-2-hydroxybutanoic acid, 9Cl



CAS Registry Number: 13477-53-7

Molecular Formula: C₄H₉NO₃

Molecular Weight: 119.12

Accurate Mass: 119.058244

Percentage Composition: C 40.33%; H 7.62%; N 11.76%; O 40.29%

Use/Importance: Inhibitor of GABA uptake

>>Variant: (R)-form

CAS Registry Number: 31771-40-1

Molecular Formula: C₄H₉NO₃

Molecular Weight: 119.12

Accurate Mass: 119.058244

Percentage Composition: C 40.33%; H 7.62%; N 11.76%; O 40.29%

Physical Description: Cryst.

Melting Point: Mp 199-201 dec.°

Optical Rotation: [α]_D +27.5 (c, 1 in H₂O)

>>Variant: (S)-form

CAS Registry Number: 40371-51-5

Molecular Formula: C₄H₉NO₃

Molecular Weight: 119.12

Accurate Mass: 119.058244

Percentage Composition: C 40.33%; H 7.62%; N 11.76%; O 40.29%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 203-206°

Optical Rotation: [α]_D²⁵ -28.2 (c, 1.22 in H₂O)

Aldrich: 46735-9

>>Derivative: Hydrochloride (2:1)

CAS Registry Number: 34461-20-6

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 167-168°

>>Variant: (±)-form

CAS Registry Number: 3938-83-8

Molecular Formula: C₄H₉NO₃

Molecular Weight: 119.12

Accurate Mass: 119.058244

Percentage Composition: C 40.33%; H 7.62%; N 11.76%; O 40.29%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 195-196 dec.°

>>Derivative: Hydrochloride

CAS Registry Number: 70153-30-9

Physical Description: Cryst. + 1H₂O (EtOH aq.)

Melting Point: Mp 52-57°

>>Derivative: Picrolonate

Physical Description: Orange-yellow cryst. (H₂O)

Melting Point: Mp 182-182.5°

References: