



Synonym(s): L-Allothreoninol

CAS Registry Number: 108102-48-3

Molecular Formula: C₄H₁₁NO₂

Molecular Weight: 105.136

Accurate Mass: 105.078979

Percentage Composition: C 45.70%; H 10.55%; N 13.32%; O 30.44%

>>Derivative: Oxalate (1:1)

Molecular Formula: C₆H₁₃NO₆

Molecular Weight: 195.172

Percentage Composition: C 36.92%; H 6.71%; N 7.18%; O 49.19%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 175-176°

Optical Rotation: $[\alpha]_D^{25} -27.26$ (c, 0.73 in H₂O)

>>Variant: (2*S*,3*R*)-form

Synonym(s): D-Allothreoninol

CAS Registry Number: 44520-54-9

Molecular Formula: C₄H₁₁NO₂

Molecular Weight: 105.136

Accurate Mass: 105.078979

Percentage Composition: C 45.70%; H 10.55%; N 13.32%; O 30.44%

>>Derivative: Oxalate (1:1)

CAS Registry Number: 28528-82-7

Molecular Formula: C₆H₁₃NO₆

Molecular Weight: 195.172

Percentage Composition: C 36.92%; H 6.71%; N 7.18%; O 49.19%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 175-176°

Optical Rotation: $[\alpha]_D^{25} -27$ (c, 0.93 in H₂O)

>>Variant: (2*S*,3*S*)-form

Synonym(s): D-Threoninol

CAS Registry Number: 44520-55-0

Molecular Formula: C₄H₁₁NO₂

Molecular Weight: 105.136

Accurate Mass: 105.078979

Percentage Composition: C 45.70%; H 10.55%; N 13.32%; O 30.44%

Boiling Point: Bp_{0.075} 110-120° (lit. gives a pressure range)

Optical Rotation: $[\alpha]$