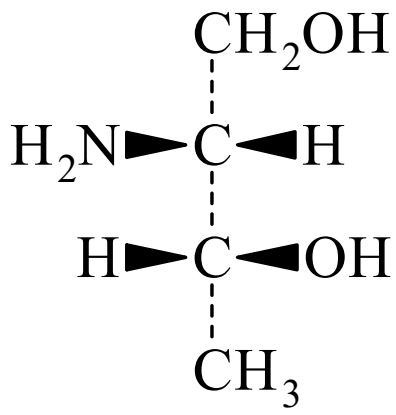
>>**Entry Name: 2-Amino-1,3-butanediol,** 9CI



(2*R*,3*R*)-*form*

CAS Registry Number: 31066-40-7
Related CAS Registry Numbers(s): 515-93-5 4493-96-3

Molecular Formula: $C_4H_{11}NO_2$
Molecular Weight: 105.136
Accurate Mass: 105.078979
Percentage Composition: C 45.70%; H 10.55%; N 13.32%; O 30.44%

>>**Variant:** (2*R*,3*R*)-form
Synonym(s): L-Threoninol

CAS Registry Number: 3228-51-1
Molecular Formula: $C_4H_{11}NO_2$
Molecular Weight: 105.136
Accurate Mass: 105.078979
Percentage Composition: C 45.70%; H 10.55%; N 13.32%; O 30.44%
Aldrich: 46996-3
Other: Degussa

>>**Derivative:** Oxalate (1:1)

Molecular Formula: $C_6H_{13}NO_6$
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 188.5-189°
Optical Rotation: $[\alpha]_D^{25}$ –7.84 (c, 0.9 in H_2O)

>>**Variant:** (2*R*,3*S*)-form
Synonym(s): L-Allothreoninol

CAS Registry Number: 108102-48-3
Molecular Formula: $C_4H_{11}NO_2$
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: $C_6H_{13}NO_6$
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 H_2O)

>>**Variant:** (2*S*,3*R*)-form
Synonym(s): D-Allothreoninol

CAS Registry Number: 44520-54-9
Molecular Formula: $C_4H_{11}NO_2$
Molecular Weight: 105.136
Accurate Mass: 105.078979
Percentage Composition: C 45.70%; H 10.55%; N 13.32%; O 30.44%