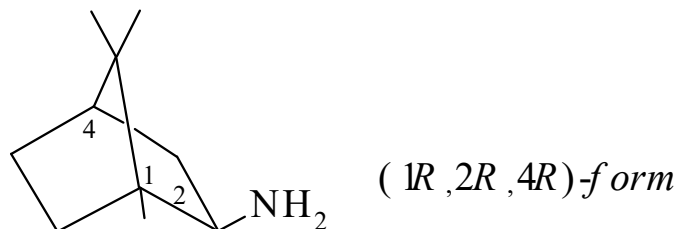




>>Entry Name: 2-Amino-1,7,7-trimethylbicyclo[2.2.1]heptane

Synonym(s): 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-amine, 9Cl. Bornylamine. 2-Bornanamine. 2-Aminobornane



Related CAS Registry Numbers(s): 2223-67-8

Molecular Formula: C₁₀H₁₉N

Molecular Weight: 153.267

Accurate Mass: 153.151749

Percentage Composition: C 78.37%; H 12.49%; N 9.14%

>>Variant: (1R,2R,4R)-form

Synonym(s): (-)-*exo*-form

CAS Registry Number: 32511-35-6

Molecular Formula: C₁₀H₁₉N

Molecular Weight: 153.267

Accurate Mass: 153.151749

Percentage Composition: C 78.37%; H 12.49%; N 9.14%

Melting Point: Mp 163°

Optical Rotation: $[\alpha]_D^{20}$ -50.8 (EtOH)

>>Derivative: Hydrochloride

Optical Rotation: $[\alpha]_D^{17}$ -23.5 (EtOH)

>>Derivative: *N*-Ac

Molecular Formula: C₁₂H₂₁NO

Molecular Weight: 195.304

Accurate Mass: 195.162314

Percentage Composition: C 73.80%; H 10.84%; N 7.17%; O 8.19%

Melting Point: Mp 143-144°

Optical Rotation: $[\alpha]_D$ -19

>>Variant: (1R,2S,4R)-form

Synonym(s): (+)-*endo*-form

CAS Registry Number: 32511-34-5

Molecular Formula: C₁₀H₁₉N

Molecular Weight: 153.267

Accurate Mass: 153.151749

Percentage Composition: C 78.37%; H 12.49%; N 9.14%

Physical Description: Cryst. by subl.

Melting Point: Mp 162.5-164° (sealed tube)

Optical Rotation: $[\alpha]_D$ +44 (c, 2.71 in EtOH)

Aldrich: 35993-9

Fluka: 15630

>>Derivative: Hydrochloride

Physical Description: Cryst. (2M HCl)

Optical Rotation: $[\alpha]_D$ +19 (c, 1.6 in EtOH)

>>Derivative: *N*-Ac

Physical Description: Cryst. by subl.

Melting Point: Mp 145-145.5°

Optical Rotation: $[\alpha]_D$ -41 (c, 3.62 in EtOH)