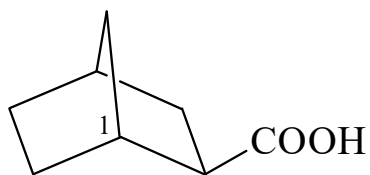




>>Entry Name: Bicyclo[2.2.1]heptane-2-carboxylic acid, 9CI

Synonym(s): Norbornane-2-carboxylic acid, 8CI



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

CAS Registry Number: 824-62-4

Molecular Formula: C₈H₁₂O₂

Molecular Weight: 140.182

Accurate Mass: 140.08373

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Rare Chemicals Library: S3862-9

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

Synonym(s): (–)-*exo*-form

CAS Registry Number: 2566-58-7

Molecular Formula: C₈H₁₂O₂

Molecular Weight: 140.182

Accurate Mass: 140.08373

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Melting Point: Mp 42-45°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -25.5$ (c, 3.7 in EtOH)

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

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

CAS Registry Number: 2566-59-8

Molecular Formula: C₈H₁₂O₂

Molecular Weight: 140.182

Accurate Mass: 140.08373

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Melting Point: Mp 25-26.5°

Boiling Point: Bp₂₀ 140°

Optical Rotation: $[\alpha]_{\text{D}}^{22} +31.8$ (c, 1.1 in EtOH) (+12.1)

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

Synonym(s): (–)-*endo*-form

CAS Registry Number: 117894-69-6

Molecular Formula: C₈H₁₂O₂

Molecular Weight: 140.182

Accurate Mass: 140.08373

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Physical Description: Cryst.

Melting Point: Mp 25.5-26.5°

Optical Rotation: $[\alpha]_{\text{D}} -30.6$ (EtOH)

>>Variant: (1*S*,2*S*)-form

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

CAS Registry Number: 79026-23-6

Molecular Formula: C₈H₁₂O₂

Molecular Weight: 140.182

Accurate Mass: 140.08373

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Melting Point: Mp 43.5-45°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +25.7$ (c, 3.5 in EtOH)