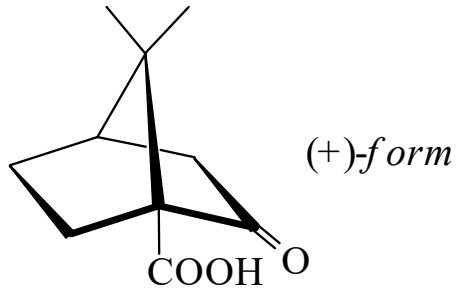
>>**Entry Name: 7,7-Dimethyl-2-oxobicyclo[2.2.1]heptane-1-carboxylic acid**
Synonym(s): Ketopinic acid



(+)-*form*

CAS Registry Number: 464-78-8
Extra CAS Registry Numbers(s): 6994-94-1

Molecular Formula: $C_{10}H_{14}O_3$
Molecular Weight: 182.219
Accurate Mass: 182.094295
Percentage Composition: C 65.92%; H 7.74%; O 26.34%
Use/Importance: Useful resolving agent

Aldrich: 42096-4
Fluka: 60722

>>**Variant:** (+)-form

CAS Registry Number: 40724-67-2
Molecular Formula: $C_{10}H_{14}O_3$
Molecular Weight: 182.219
Accurate Mass: 182.094295
Percentage Composition: C 65.92%; H 7.74%; O 26.34%
Physical Description: Cryst. (H_2O)
Melting Point: Mp 226-228°
Optical Rotation: $[\alpha]_D$ +25.8 (c, 0.65 in MeOH)

>>**Derivative:** Amide
Synonym(s): Ketopinamide

CAS Registry Number: 136087-99-5
Molecular Formula: $C_{10}H_{15}NO_2$
Molecular Weight: 181.234
Accurate Mass: 181.110279
Percentage Composition: C 66.27%; H 8.34%; N 7.73%; O 17.66%
Physical Description: Spears (Et_2O/petrol)
Melting Point: Mp 192-195°
Optical Rotation: $[\alpha]_D$ +116.4 (c, 0.75 in $CHCl_3$)

>>**Variant:** (–)-form

CAS Registry Number: 64234-14-6
Molecular Formula: $C_{10}H_{14}O_3$
Molecular Weight: 182.219
Accurate Mass: 182.094295
Percentage Composition: C 65.92%; H 7.74%; O 26.34%
Physical Description: Cryst. (H_2O)
Melting Point: Mp 227-229°
Optical Rotation: $[\alpha]_D$ –28 (c, 1.5 in MeOH)

>>**Derivative:** Chloride

Molecular Formula: $C_{10}H_{13}ClO_2$
Molecular Weight: 200.664
Accurate Mass: 200.060407
Percentage Composition: C 59.86%; H 6.53%; Cl 17.67%; O 15.95%
Use/Importance: Resolving agent
Melting Point: Mp 112°
Optical Rotation: $[\alpha]_D$ –41 (c, 1.9 in $CHCl_3$)

References: