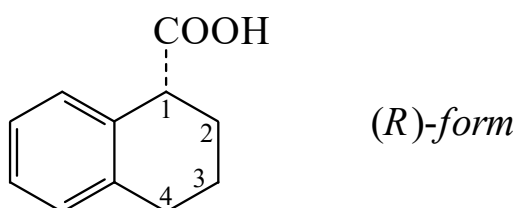




>>Entry Name: 1,2,3,4-Tetrahydro-1-naphthalenecarboxylic acid, 9Cl

Synonym(s): 1,2,3,4-Tetrahydro-1-naphthoic acid, 8Cl. Tetralin-1-carboxylic acid



CAS Registry Number: 1914-65-4

Molecular Formula: $C_{11}H_{12}O_2$

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

>>Variant: (R)-form

CAS Registry Number: 23357-47-3

Molecular Formula: $C_{11}H_{12}O_2$

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Melting Point: Mp 55-56°

Optical Rotation: $[\alpha]_D^{22} +64$ (c, 2.1 in C_6H_6)

>>Variant: (S)-form

Molecular Formula: $C_{11}H_{12}O_2$

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Melting Point: Mp 54.5-55.5°

Optical Rotation: $[\alpha]_D^{25} -63.4$ (c, 1.5 in C_6H_6)

>>Variant: (±)-form

Molecular Formula: $C_{11}H_{12}O_2$

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Physical Description: Prisms (EtOAc)

Melting Point: Mp 85°

Boiling Point: Bp_{0.5} 110-112°

>>Derivative: Et ester

CAS Registry Number: 66041-55-2

Molecular Formula: $C_{13}H_{16}O_2$

Molecular Weight: 204.268

Accurate Mass: 204.11503

Percentage Composition: C 76.44%; H 7.89%; O 15.67%

Boiling Point: Bp₇₄₉ 279°

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