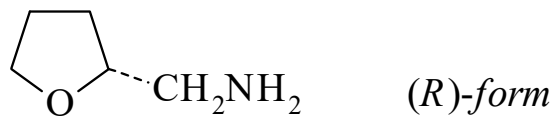




>>Entry Name: Tetrahydro-2-furanmethanamine, 9Cl

Synonym(s): Tetrahydrofurfurylamine, 8Cl. 2-(Aminomethyl)tetrahydrofuran. Tetrahydro(2-aminomethyl)furan



CAS Registry Number: 4795-29-3

Molecular Formula: C₅H₁₁NO

Molecular Weight: 101.148

Accurate Mass: 101.084064

Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%

Hazard & Toxicity: Irritant

Aldrich: 13191-1

Fluka: 87400

>>Variant: (R)-form

CAS Registry Number: 7202-43-9

Molecular Formula: C₅H₁₁NO

Molecular Weight: 101.148

Accurate Mass: 101.084064

Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%

Physical Description: Liq.

Boiling Point: Bp₁₈ 55°

Optical Rotation: [α]_D²⁷ -8.57 (H₂O). [α]_D -14.1 (c, 2.085 in MeOH)

Aldrich: 41293-7

>>Derivative: Hydrochloride

CAS Registry Number: 7175-80-6

Physical Description: Cryst.

Melting Point: Mp 108-109°

>>Variant: (S)-form

CAS Registry Number: 7175-81-7

Molecular Formula: C₅H₁₁NO

Molecular Weight: 101.148

Accurate Mass: 101.084064

Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%

Physical Description: Liq.

Boiling Point: Bp₁₃ 49-50°

Optical Rotation: [α]_D²⁷ +8.46 (H₂O). [α]_D²⁷ +42.08 (H₂O). [α]_D +14.6 (c, 2.035 in MeOH)

Aldrich: 41294-5

>>Derivative: Hydrochloride

CAS Registry Number: 21801-94-5

Physical Description: Cryst.

Melting Point: Mp 108-109°

>>Derivative: N-Ac

CAS Registry Number: 76692-62-1

Molecular Formula: C₇H₁₃NO₂

Molecular Weight: 143.185

Accurate Mass: 143.094629

Percentage Composition: C 58.72%; H 9.15%; N 9.78%; O 22.35%

Boiling Point: Bp_{0.3} 90°