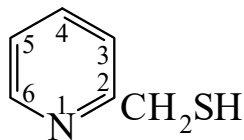




>>Entry Name: 2-Pyridinemethanethiol, 9CI

Synonym(s): 2-(Thiomethyl)pyridine. 2-(Mercaptomethyl)pyridine



CAS Registry Number: 2044-73-7

Molecular Formula: C₆H₇NS

Molecular Weight: 125.194

Accurate Mass: 125.029919

Percentage Composition: C 57.56%; H 5.64%; N 11.19%; S 25.61%

Physical Description: Oil

Boiling Point: Bp₁₀ 87-89°

Refractive Index: n_D²⁰ 1.5758

Other: Oakwood 2779

>>Derivative: Picrate

Physical Description: Yellow prisms (MeOH)

Melting Point: Mp 171-172°

>>Derivative: S-Me

Synonym(s): 2-[(Methylthio)methyl]pyridine, 9CI

CAS Registry Number: 3145-77-5

Molecular Formula: C₇H₉NS

Molecular Weight: 139.221

Accurate Mass: 139.045569

Percentage Composition: C 60.39%; H 6.52%; N 10.06%; S 23.03%

Physical Description: Liq.

Boiling Point: Bp₁₇ 100-105°

>>Derivative: S-Ph

CAS Registry Number: 71897-63-7

Molecular Formula: C₁₂H₁₁NS

Molecular Weight: 201.292

Accurate Mass: 201.061219

Percentage Composition: C 71.60%; H 5.51%; N 6.96%; S 15.93%

Melting Point: Mp 124-125° (as picrate)

Boiling Point: Bp_{0.1} 97-98°

Density: d₂₅ 1.15

Refractive Index: n_D²⁵ 1.6238

References:

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