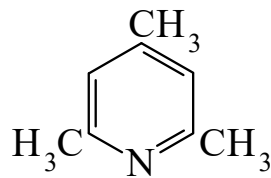




>>Entry Name: 2,4,6-Trimethylpyridine

Synonym(s): *s*-Collidine. γ -Collidine



CAS Registry Number: 108-75-8

Extra CAS Registry Numbers(s): 29611-84-5

Molecular Formula: C₈H₁₁N

Molecular Weight: 121.182

Accurate Mass: 121.089149

Percentage Composition: C 79.29%; H 9.15%; N 11.56%

Source/Synthesis: Found in low-temp. coal tar and coal soot

Use/Importance: Catalyst. Forms complexes. Base for dehydrohalogenations. Used in extraction, separation of Zr and Sc as ternary complexes with salicylic acid and collidine (CHCl₃)

Physical Description: Liq.

Melting Point: Mp 42°

Boiling Point: Bp 175-178°

Solubility: Sol. acids, CHCl₃

pKa Value: pK_a 6.69 (25°) pK_a 7.25 (25°)

Aldrich: 14238-7

Fluka: 27692

Sigma: C0505

>>Derivative: Hydriodide

Physical Description: Prisms

Melting Point: Mp 250 dec.°

>>Derivative: Sulfate (2:1)

Physical Description: Needles or prisms

Melting Point: Mp 205°

>>Derivative: Picrate

CAS Registry Number: 6148-01-2

Physical Description: Yellow needles (H₂O)

Melting Point: Mp 155-156°

>>Derivative: 4-Methylbenzenesulfonate

CAS Registry Number: 59229-09-3

Use/Importance: Catalyst for acetalisation and ketalisation

Melting Point: Mp 130-132°

Aldrich: 28315-0

Fluka: 27697

>>Derivative: *N*-Fluoro

CAS Registry Number: 107264-00-6

Molecular Formula: C₈H₁₁FN⁽⁺⁾

Molecular Weight: 140.18

Accurate Mass: 140.087552

Percentage Composition: C 68.55%; H 7.91%; F 13.55%; N 9.99%

Use/Importance: Fluorinating agent

Physical Description: Cryst. (MeCN/Et₂O) (as triflate salt)

Melting Point: Mp 168-170° (162-165°) (triflate)

Other Data: CAS no. refers to triflate

Aldrich: 37821-6