



>>Entry Name: 2,6-Dimethylpyridine, 9CI

ENTRY UNDER REVIEW

Synonym(s): 2,6-Lutidine, 8CI. FEMA 3540

CAS Registry Number: 108-48-5

Related CAS Registry Numbers(s): 27175-64-0

Type of Compound Code(s): WE9999 WI4000 WI4600

Structure by analogy with 2,3-Dimethylpyridine, [FWV38-Q](#)

Molecular Formula: C₇H₉N

Molecular Weight: 107.155

Accurate Mass: 107.073499

Percentage Composition: C 78.46%; H 8.47%; N 13.07%

Source/Synthesis: Constit. of coal tar and shale oil. Manuf. by reaction of acetone, formaldehyde and ammonia

Use/Importance: Intermediate for pharmaceuticals

Physical Description: Liq.

Melting Point: Mp -6°

Boiling Point: Bp 139-141° (145.6-145.8°)

Solubility: Sol. cold H₂O, less sol. hot H₂O, sol. EtOH, Et₂O

Density: d²⁰ 0.923

pKa Value: pK_a 6.6 (25°)

Refractive Index: n_D²⁰ 1.4977

Hazard & Toxicity: Flammable, fl. p. 33°, toxic

Aldrich: L390-0

Fluka: 62760

Sigma: L0255

>>Derivative: Hydrochloride

CAS Registry Number: 15439-85-7

Physical Description: Cryst. (EtOH)

Melting Point: Mp 230-231 dec.°

>>Derivative: Picrate

CAS Registry Number: 2798-38-1

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 163-164°

>>Derivative: *N*-Oxide

CAS Registry Number: 1073-23-0

Molecular Formula: C₇H₉NO

Molecular Weight: 123.154

Accurate Mass: 123.068414

Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%

Physical Description: Liq.

Boiling Point: Bp₁₈ 115-119°

>>Derivative: *N*-Oxide; hydrochloride

CAS Registry Number: 6890-58-0

Melting Point: Mp 219.5°

References: