>>**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: C_7H_9N
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 H_2O, less sol. hot H_2O, sol. EtOH, Et_2O
Density: d^{20} 0.923
pKa Value: pK_a 6.6 (25°)
Refractive Index: n_D^{20} 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: C_7H_9NO
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: Bp_{18} 115-119°

>>**Derivative:** *N*-Oxide; hydrochloride

CAS Registry Number: 6890-58-0
Melting Point: Mp 219.5°

References: