



>>Entry Name: **1-(4-Pyridinyl)-2-propanone**

Synonym(s): 4-(2-Oxopropyl)pyridine. 4-Acetylpyridine. 4-Pyridylacetone

CAS Registry Number: 6304-16-1

Molecular Formula: C₈H₉NO

Molecular Weight: 135.165

Accurate Mass: 135.068414

Percentage Composition: C 71.09%; H 6.71%; N 10.36%; O 11.84%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 155-155.4°

Boiling Point: Bp_{3,5} 110-115° (lit. gives a pressure range). Bp_{0,3} 78-80°

>>Derivative: Picrate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 154°

>>Derivative: 4-Nitrophenylhydrazone

Physical Description: Brown-yellow cryst. (EtOH)

Melting Point: Mp 199°

References:

Hey, J.W. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1953, **72**, 522, (*synth*)

Osuch, C. *et al.*, *J.O.C.*, 1957, **22**, 939, (*synth*)