



Rare Chemicals Library: S32310-1

>> **Derivative:** Nitrile

Synonym(s): 4'-Cyanoacetophenone

CAS Registry Number: 1443-80-7

Molecular Formula: C₉H₇NO

Molecular Weight: 145.16

Accurate Mass: 145.052764

Percentage Composition: C 74.47%; H 4.86%; N 9.65%; O 11.02%

Melting Point: Mp 57-58°

Aldrich: 15439-3

Fluka: 934

References:

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Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 1087B; 1522B, (*nmr*)
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Bergmann, E.D. *et al.*, *J.O.C.*, 1959, **24**, 549-551, (*synth*)
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Durif-Verambon, B. *et al.*, *Bull. Soc. Chim. Fr.*, 1970, 4452-4459, (*synth*)
Exner, O. *et al.*, *Coll. Czech. Chem. Comm.*, 1971, **36**, 534-543, (*ir*)
Bromilow, J. *et al.*, *J.C.S. Perkin 2*, 1981, 753-759, (*cmr*)
Sigman, M.E. *et al.*, *J.A.C.S.*, 1988, **110**, 4297-4305, (*amide*, *synth*, *pmr*, *ir*)
Maurin, J.K. *et al.*, *Acta Cryst. C*, 1992, **48**, 2163-2165, (*cryst struct*, *oxime*)
Camps, P. *et al.*, *Annalen*, 1993, 641-643, (*synth*)
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Scheffer, J.R. *et al.*, *Synthesis*, 2001, 1253-1257, (*Me ester*)