



>>Entry Name: 4-Aminopiperidine, 8Cl

Synonym(s): 4-Piperidinamine, 9Cl

CAS Registry Number: 13035-19-3

Related CAS Registry Numbers(s): 1205-72-7

Molecular Formula: C₅H₁₂N₂

Molecular Weight: 100.163

Accurate Mass: 100.100048

Percentage Composition: C 59.96%; H 12.08%; N 27.97%

Physical Description: Oil

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 35621-01-3

Melting Point: Mp 331-333°

>>Derivative: Picrate

Melting Point: Mp 254°

>>Derivative: *N*-Ac

CAS Registry Number: 5810-56-0

Molecular Formula: C₇H₁₄N₂O

Molecular Weight: 142.2

Accurate Mass: 142.110613

Percentage Composition: C 59.13%; H 9.92%; N 19.70%; O 11.25%

Melting Point: Mp 137.8-141°

>>Derivative: *N*¹-Benzyl

CAS Registry Number: 50541-93-0

Molecular Formula: C₁₂H₁₈N₂

Molecular Weight: 190.288

Accurate Mass: 190.146998

Percentage Composition: C 75.74%; H 9.53%; N 14.72%

Physical Description: Oil

Melting Point: Mp 270-273° (as dihydrochloride)

Aldrich: 19581-2

Fluka: 7100

>>Derivative: *N,N*-Di-Me

CAS Registry Number: 4876-59-9

Molecular Formula: C₇H₁₆N₂

Molecular Weight: 128.217

Accurate Mass: 128.131348

Percentage Composition: C 65.57%; H 12.58%; N 21.85%

Melting Point: Mp 288-293° (as dihydrochloride)

Other Data: CAS number refers to dihydrochlorides

Rare Chemicals Library: S34667-5

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 638C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1302C, (*ir*)

Yakhontov, S.V. *et al.*, *Zh. Obshch. Khim.*, 1958, **28**, 3115; *CA*, **53**, 10205a, (*synth*)

Taniyama, H. *et al.*, *Yakugaku Zasshi*, 1961, **81**, 1493; *CA*, **56**, 10069, (*synth*)

U.S. Pat., 1964, 3 124 586; *CA*, **61**, 3077f

Ger. Pat., 1972, 2 043 262; *CA*, **76**, 126792x, (*synth*)

Weigert, F.J., *J.O.C.*, 1978, **43**, 622, (*pmr*)

Crider, A.M. *et al.*, *J. Med. Chem.*, 1980, **23**, 848, (*1-benzyl*)