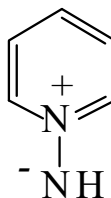




>>Entry Name: Pyridine-1-imine

Synonym(s): 1-Aminopyridinium hydroxide inner salt, 9Cl



CAS Registry Number: 45458-31-9

Molecular Formula: C₅H₆N₂

Molecular Weight: 94.116

Accurate Mass: 94.053098

Percentage Composition: C 63.81%; H 6.43%; N 29.76%

Physical Description: Blue-violet in soln.

Other Data: Isol. as salts

>>Derivative: Hydrochloride

CAS Registry Number: 28460-19-7

Physical Description: Needles (EtOH)

Melting Point: Mp 160° (156-158°)

>>Derivative: Hydrobromide

CAS Registry Number: 66193-70-2

Physical Description: Cryst. (MeOH/Et₂O)

Melting Point: Mp 152°

>>Derivative: Hydroiodide

CAS Registry Number: 6295-87-0

Physical Description: Cryst. (EtOH)

Melting Point: Mp 160-162°

Aldrich: 44150-3

Fluka: 9375

Rare Chemicals Library: S31492-7

>>Derivative: Picrate

Physical Description: Cryst.

Melting Point: Mp 154°

>>Derivative: *N*-Ac

Molecular Formula: C₇H₈N₂O

Molecular Weight: 136.153

Accurate Mass: 136.063663

Percentage Composition: C 61.75%; H 5.92%; N 20.57%; O 11.75%

Physical Description: Hygroscopic needles (as hydrochloride)

Melting Point: Mp 216° (hydrochloride)

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₂H₁₀N₂O

Molecular Weight: 198.224

Accurate Mass: 198.079313

Percentage Composition: C 72.71%; H 5.08%; N 14.13%; O 8.07%

Physical Description: Feathery cryst.

Melting Point: Mp 177.5°

>>Derivative: *N*-Benzoyl; hydrochloride

Physical Description: Needles

Melting Point: Mp 226-227°