



>>Entry Name: 2-Amino-5-bromopyridine, 8Cl

Synonym(s): 5-Bromo-2-pyridinamine, 9Cl

CAS Registry Number: 1072-97-5

Molecular Formula: C₅H₅BrN₂

Molecular Weight: 173.012

Accurate Mass: 171.983609

Percentage Composition: C 34.71%; H 2.91%; Br 46.18%; N 16.19%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 137°

pKa Value: pK_a 4.8 (H₂O) pK_a 12.07 (MeCN)

Aldrich: 12285-8

Fluka: 7150

>>Derivative: N¹-Oxide

CAS Registry Number: 696-15-1

Molecular Formula: C₅H₅BrN₂O

Molecular Weight: 189.011

Accurate Mass: 187.978524

Percentage Composition: C 31.77%; H 2.67%; Br 42.27%; N 14.82%; O 8.46%

Melting Point: Mp 184° (180-181°)

>>Derivative: 2-N-Ac

CAS Registry Number: 7169-97-3

Molecular Formula: C₇H₇BrN₂O

Molecular Weight: 215.049

Accurate Mass: 213.994174

Percentage Composition: C 39.10%; H 3.28%; Br 37.16%; N 13.03%; O 7.44%

Physical Description: Needles (EtOH)

Melting Point: Mp 175°

>>Derivative: 2-N-Me

CAS Registry Number: 84539-30-0

Molecular Formula: C₆H₇BrN₂

Molecular Weight: 187.039

Accurate Mass: 185.999259

Percentage Composition: C 38.53%; H 3.77%; Br 42.72%; N 14.98%

Physical Description: Prisms (petrol)

Melting Point: Mp 70-71°

>>Derivative: 2-N,N-Di-Me

CAS Registry Number: 26163-07-5

Molecular Formula: C₇H₉BrN₂

Molecular Weight: 201.066

Accurate Mass: 200.014909

Percentage Composition: C 41.82%; H 4.51%; Br 39.74%; N 13.93%

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 42-43°. Mp 69-71°

References:

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