



>>Entry Name: 2-Amino-5-bromophenol, 9Cl, 8Cl

CAS Registry Number: 38191-34-3

Molecular Formula: C₆H₆BrNO

Molecular Weight: 188.023

Accurate Mass: 186.983275

Percentage Composition: C 38.33%; H 3.22%; Br 42.50%; N 7.45%; O 8.51%

Physical Description: Prisms

Melting Point: Mp 150°

>>Derivative: Sulfate

Melting Point: Mp 239-240°

>>Derivative: Me ether

Synonym(s): 4-Bromo-2-methoxybenzenamine, 9Cl. 4-Bromo-2-methoxyaniline. 4-Bromo-*o*-anisidine. 2-Amino-5-bromoanisole

CAS Registry Number: 59557-91-4

Molecular Formula: C₇H₈BrNO

Molecular Weight: 202.05

Accurate Mass: 200.998925

Percentage Composition: C 41.61%; H 3.99%; Br 39.55%; N 6.93%; O 7.92%

Melting Point: Mp 60-61°

>>Derivative: Et ether

Synonym(s): 4-Bromo-2-ethoxyaniline. 4-Bromo-*o*-phenetidine. 2-Amino-5-bromophenetole

CAS Registry Number: 57279-73-9

Molecular Formula: C₈H₁₀BrNO

Molecular Weight: 216.077

Accurate Mass: 215.014575

Percentage Composition: C 44.47%; H 4.66%; Br 36.98%; N 6.48%; O 7.40%

Physical Description: Needles (as hydrochloride)

Melting Point: Mp 199-200 dec.° (hydrochloride)

>>Derivative: Et ether, *N*-Ac

Synonym(s): 4-Bromo-2-ethoxyacetanilide

Molecular Formula: C₁₀H₁₂BrNO₂

Molecular Weight: 258.114

Accurate Mass: 257.02514

Percentage Composition: C 46.53%; H 4.69%; Br 30.96%; N 5.43%; O 12.40%

Physical Description: Pale pink needles

Melting Point: Mp 120-120.5°

References:

- v. Auwers, K. *et al.*, *CA*, 1925, **19**, 2340, (*synth*)
Hodgson, H.H. *et al.*, *J.C.S.*, 1928, 2703, (*synth*)
Mangini, A., *Gazz. Chim. Ital.*, 1936, **66**, 675
Irving, H. *et al.*, *J.C.S.*, 1957, 290
Callaghan, P.D. *et al.*, *J.C.S. Perkin 1*, 1975, 1386