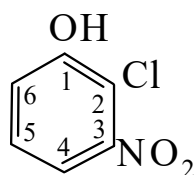




>>Entry Name: **2-Chloro-3-nitrophenol**, 9Cl, 8Cl



CAS Registry Number: 603-84-9

Molecular Formula: C₆H₄ClNO₃

Molecular Weight: 173.555

Accurate Mass: 172.987971

Percentage Composition: C 41.52%; H 2.32%; Cl 20.43%; N 8.07%; O 27.66%

Physical Description: Prisms (H₂O)

Melting Point: Mp 120.5°

>>Derivative: Me ether

Synonym(s): 2-Chloro-1-methoxy-3-nitrobenzene. 2-Chloro-3-nitroanisole

CAS Registry Number: 3970-39-6

Molecular Formula: C₇H₆ClNO₃

Molecular Weight: 187.582

Accurate Mass: 187.003621

Percentage Composition: C 44.82%; H 3.22%; Cl 18.90%; N 7.47%; O 25.59%

Physical Description: Pale-yellow needles (petrol)

Melting Point: Mp 94°

>>Derivative: Et ether

Synonym(s): 2-Chloro-1-ethoxy-3-nitrobenzene. 2-Chloro-3-nitrophenetole

Molecular Formula: C₈H₈ClNO₃

Molecular Weight: 201.609

Accurate Mass: 201.019271

Percentage Composition: C 47.66%; H 4.00%; Cl 17.58%; N 6.95%; O 23.81%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 51°

References:

v. Erp, H., *J. Prakt. Chem.*, 1930, **127**, 20; 1931, **129**, 327