



>>Entry Name: 2-Chloro-6-hydroxypyrazine

Synonym(s): 6-Chloro-2(1*H*)-pyrazinone, 9Cl. 6-Chloro-2-pyrazinol

CAS Registry Number: 4925-61-5

Molecular Formula: C<sub>4</sub>H<sub>3</sub>ClN<sub>2</sub>O

Molecular Weight: 130.533

Accurate Mass: 129.99339

Percentage Composition: C 36.81%; H 2.32%; Cl 27.16%; N 21.46%; O 12.26%

Physical Description: Solid (EtOH aq. or C<sub>6</sub>H<sub>6</sub>)

Melting Point: Mp 200-205 dec.° (sealed tube)

Boiling Point: Subl.<sub>20</sub> 115-120°

>>Variant: *NH*-form

Molecular Formula: C<sub>4</sub>H<sub>3</sub>ClN<sub>2</sub>O

Molecular Weight: 130.533

Accurate Mass: 129.99339

Percentage Composition: C 36.81%; H 2.32%; Cl 27.16%; N 21.46%; O 12.26%

>>Derivative: Hydrazone

CAS Registry Number: 63286-29-3

Molecular Formula: C<sub>4</sub>H<sub>5</sub>ClN<sub>4</sub>

Molecular Weight: 144.563

Accurate Mass: 144.020273

Percentage Composition: C 33.23%; H 3.49%; Cl 24.52%; N 38.76%

Physical Description: Solid (toluene)

Melting Point: Mp 136-139°

>>Variant: *OH*-form

Molecular Formula: C<sub>4</sub>H<sub>3</sub>ClN<sub>2</sub>O

Molecular Weight: 130.533

Accurate Mass: 129.99339

Percentage Composition: C 36.81%; H 2.32%; Cl 27.16%; N 21.46%; O 12.26%

>>Derivative: Benzyl ether

Molecular Formula: C<sub>11</sub>H<sub>9</sub>ClN<sub>2</sub>O

Molecular Weight: 220.658

Accurate Mass: 220.04034

Percentage Composition: C 59.88%; H 4.11%; Cl 16.07%; N 12.70%; O 7.25%

Physical Description: Cryst.

Melting Point: Mp 44-45°

Boiling Point: Subl.<sub>1.5</sub> 80-82°

References:

Cheeseman, G.W.H. *et al.*, *J.C.S.*, 1965, 6681, (*synth*)

Bradac, J. *et al.*, *J.O.C.*, 1977, **42**, 4197, (*synth*, *pmr*, *hydrazone*)