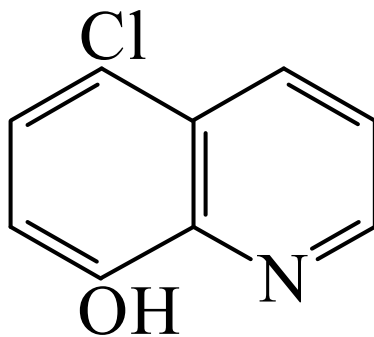




>>Entry Name: 5-Chloro-8-hydroxyquinoline

Synonym(s): 5-Chloro-8-quinolinol, 9Cl. **Cloxiquin**, USAN. Cloxiquine, INN. Anamebil. Atletol. Chlorisept. Dermofongin A



CAS Registry Number: 130-16-5

Molecular Formula: C<sub>9</sub>H<sub>6</sub>ClNO

Molecular Weight: 179.605

Accurate Mass: 179.013791

Percentage Composition: C 60.19%; H 3.37%; Cl 19.74%; N 7.80%; O 8.91%

Use/Importance: Bactericide. Topical antifungal agent

Melting Point: Mp 129-130° (122-123°)

pKa Value: pK<sub>a1</sub> 3.56; pK<sub>a2</sub> 9.34 (25°)

Calculated Log P Data: Log P 2.9 (calc)

Aldrich: C4700-0

Fluka: 24849

Sigma: C6383

>>Derivative: Hydrochloride

CAS Registry Number: 25395-13-5

Physical Description: Yellow cryst.

Melting Point: Mp 256-258°

Aldrich: 25044-9

Rare Chemicals Library: S56458-3

>>Derivative: 1-Oxide

CAS Registry Number: 21168-34-3

Molecular Formula: C<sub>9</sub>H<sub>6</sub>ClNO<sub>2</sub>

Molecular Weight: 195.605

Accurate Mass: 195.008706

Percentage Composition: C 55.26%; H 3.09%; Cl 18.12%; N 7.16%; O 16.36%

Physical Description: Cryst. (petrol)

Melting Point: Mp 169-170°

>>Derivative: Ac

Synonym(s): Silital. S 604

CAS Registry Number: 10173-02-1

Molecular Formula: C<sub>11</sub>H<sub>8</sub>ClNO<sub>2</sub>

Molecular Weight: 221.642

Accurate Mass: 221.024356

Percentage Composition: C 59.61%; H 3.64%; Cl 16.00%; N 6.32%; O 14.44%

Use/Importance: Antibacterial, antidiarrhoeal, antifungal agent

Physical Description: Cryst. (C<sub>6</sub>H<sub>6</sub>)

Melting Point: Mp 83°

Calculated Log P Data: Log P 2.5 (calc)

References: