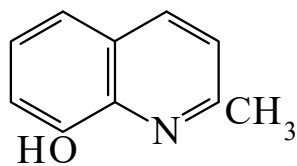




>>Entry Name: 8-Hydroxy-2-methylquinoline

Synonym(s): 2-Methyl-8-quinolinol, 9Cl. 8-Hydroxyquinaldine



CAS Registry Number: 826-81-3

Molecular Formula: C<sub>10</sub>H<sub>9</sub>NO

Molecular Weight: 159.187

Accurate Mass: 159.068414

Percentage Composition: C 75.45%; H 5.70%; N 8.80%; O 10.05%

Use/Importance: Used as 2% soln. in AcOH aq. or as 0.1% Me<sub>2</sub>CO soln. for extraction-photometric detn. of Cr, Mn, Be, Ce, (CHCl<sub>3</sub>, CCl<sub>4</sub>); gravimetric detn. of Be, Cu, Fe(III)

Physical Description: Prisms (EtOH aq.)

Melting Point: Mp 74°

Boiling Point: Bp 266-267°. Subl. 100°

Solubility: Sol. AcOH, EtOH, Me<sub>2</sub>CO, Et<sub>2</sub>O, alkalis; insol. H<sub>2</sub>O

pKa Value: pK<sub>a1</sub> 5.61; pK<sub>a2</sub> 10.16 (25°)

Other Data: Steam-volatile

Aldrich: H5760-2

Fluka: 55040

>>Derivative: Hydrochloride

Melting Point: Mp 251-252°

>>Derivative: Ac

Synonym(s): 8-Acetoxyquinaldine

CAS Registry Number: 27037-61-2

Molecular Formula: C<sub>12</sub>H<sub>11</sub>NO<sub>2</sub>

Molecular Weight: 201.224

Accurate Mass: 201.078979

Percentage Composition: C 71.63%; H 5.51%; N 6.96%; O 15.90%

Use/Importance: Used as 20% soln. in AcOH for pptn. of Th, Zn, Cu, In

Physical Description: Needles (petrol)

Melting Point: Mp 63-64°

Solubility: Sol. EtOH, H<sub>2</sub>O, Et<sub>2</sub>O, petrol, C<sub>6</sub>H<sub>6</sub>

Other Data: Hydrol. after heating

>>Derivative: Me ether

Synonym(s): 8-Methoxy-2-methylquinoline. 8-Methoxyquinaldine

CAS Registry Number: 3033-80-5

Molecular Formula: C<sub>11</sub>H<sub>11</sub>NO

Molecular Weight: 173.214

Accurate Mass: 173.084064

Percentage Composition: C 76.28%; H 6.40%; N 8.09%; O 9.24%

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

Melting Point: Mp 128-129°

Boiling Point: Bp 282°. Bp<sub>3</sub> 105-110°

Rare Chemicals Library: S77034-5

References: