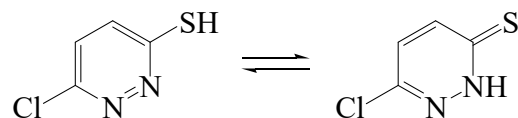




>>Entry Name: **3-Chloro-6-mercaptopyridazine**

**Synonym(s):** 6-Chloro-3-pyridazinethiol, 8Cl. 6-Chloro-3(2*H*)-pyridazinethione, 9Cl. 3-Chloro-6(1*H*)-pyridazinethione



**CAS Registry Number:** 3916-78-7

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

**Molecular Weight:** 146.6

**Accurate Mass:** 145.970545

**Percentage Composition:** C 32.77%; H 2.06%; Cl 24.18%; N 19.11%; S 21.87%

**Physical Description:** Golden needles (C<sub>6</sub>H<sub>6</sub>)

**Melting Point:** Mp 136-138° (dec.). Mp 150°

**Other:** MG: Z1362

>>Variant: *SH*-form

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

**Molecular Weight:** 146.6

**Accurate Mass:** 145.970545

**Percentage Composition:** C 32.77%; H 2.06%; Cl 24.18%; N 19.11%; S 21.87%

>>Derivative: *S*-Me

**Synonym(s):** 3-Chloro-6-(methylthio)pyridazine

**CAS Registry Number:** 7145-61-1

**Molecular Formula:** C<sub>5</sub>H<sub>5</sub>ClN<sub>2</sub>S

**Molecular Weight:** 160.627

**Accurate Mass:** 159.986195

**Percentage Composition:** C 37.39%; H 3.14%; Cl 22.07%; N 17.44%; S 19.96%

**Physical Description:** Columns (C<sub>6</sub>H<sub>6</sub>)

**Melting Point:** Mp 102°

>>Derivative: *S*-Me, *S,S*-dioxide

**Synonym(s):** 3-Chloro-6-(methylsulfonyl)pyridazine

**CAS Registry Number:** 7145-62-2

**Molecular Formula:** C<sub>5</sub>H<sub>5</sub>ClN<sub>2</sub>O<sub>2</sub>S

**Molecular Weight:** 192.625

**Accurate Mass:** 191.976025

**Percentage Composition:** C 31.18%; H 2.62%; Cl 18.40%; N 14.54%; O 16.61%; S 16.65%

**Physical Description:** Needles (EtOH)

**Melting Point:** Mp 118-120°

>>Derivative: *S*-Et

**Synonym(s):** 3-Chloro-6-(ethylthio)pyridazine

**CAS Registry Number:** 62645-42-5

**Molecular Formula:** C<sub>6</sub>H<sub>7</sub>ClN<sub>2</sub>S

**Molecular Weight:** 174.653

**Accurate Mass:** 174.001845

**Percentage Composition:** C 41.26%; H 4.04%; Cl 20.30%; N 16.04%; S 18.36%

**Melting Point:** Mp 65°

>>Derivative: *S*-Isopropyl

**CAS Registry Number:** 66089-81-4

**Molecular Formula:** C<sub>7</sub>H<sub>9</sub>ClN<sub>2</sub>S

**Molecular Weight:** 188.68

**Accurate Mass:** 188.017495

**Percentage Composition:** C 44.56%; H 4.81%; Cl 18.79%; N 14.85%; S 16.99%

**Melting Point:** Mp 61°