



**Accurate Mass:** 229.052112  
**Percentage Composition:** C 41.91%; H 4.84%; N 18.33%; O 20.94%; S 13.99%  
**Physical Description:** Cryst.  
**Melting Point:** Mp 163-164°

>>**Derivative:** *N*-Formyl, *O*-methyloxime (*Z*-)

**CAS Registry Number:** 65872-43-7  
**Molecular Formula:** C<sub>7</sub>H<sub>7</sub>N<sub>3</sub>O<sub>4</sub>S  
**Molecular Weight:** 229.216  
**Accurate Mass:** 229.015727  
**Percentage Composition:** C 36.68%; H 3.08%; N 18.33%; O 27.92%; S 13.99%  
**Physical Description:** Cryst.  
**Melting Point:** Mp 163 dec.°

>>**Derivative:** *N*-Formyl, Et ester

**CAS Registry Number:** 64987-03-7  
**Molecular Formula:** C<sub>8</sub>H<sub>8</sub>N<sub>2</sub>O<sub>4</sub>S  
**Molecular Weight:** 228.228  
**Accurate Mass:** 228.020478  
**Percentage Composition:** C 42.10%; H 3.53%; N 12.27%; O 28.04%; S 14.05%  
**Physical Description:** Cryst. (AcOH)  
**Melting Point:** Mp 229°

>>**Derivative:** *N*-Formyl, Et ester, *O*-methyloxime (*Z*-)

**CAS Registry Number:** 66340-98-5  
**Molecular Formula:** C<sub>9</sub>H<sub>11</sub>N<sub>3</sub>O<sub>4</sub>S  
**Molecular Weight:** 257.27  
**Accurate Mass:** 257.047027  
**Percentage Composition:** C 42.02%; H 4.31%; N 16.33%; O 24.88%; S 12.46%  
**Physical Description:** Cryst.  
**Melting Point:** Mp 120-121°

>>**Derivative:** *N*-Chloroacetyl

**CAS Registry Number:** 73181-66-5  
**Molecular Formula:** C<sub>7</sub>H<sub>5</sub>ClN<sub>2</sub>O<sub>4</sub>S  
**Molecular Weight:** 248.646  
**Accurate Mass:** 247.965855  
**Percentage Composition:** C 33.81%; H 2.03%; Cl 14.26%; N 11.27%; O 25.74%; S 12.90%  
**Physical Description:** Pale yellow prisms (EtOAc/hexane)  
**Melting Point:** Mp 205-210°

>>**Derivative:** *N*-Chloroacetyl, Et ester

**CAS Registry Number:** 73181-65-4  
**Molecular Formula:** C<sub>9</sub>H<sub>9</sub>ClN<sub>2</sub>O<sub>4</sub>S  
**Molecular Weight:** 276.7  
**Accurate Mass:** 275.997155  
**Percentage Composition:** C 39.07%; H 3.28%; Cl 12.81%; N 10.12%; O 23.13%; S 11.59%  
**Melting Point:** Mp 178-180°

>>**Derivative:** *N*-Chloroacetyl, *O*-methyloxime (*E*-)

**CAS Registry Number:** 65243-13-2  
**Molecular Formula:** C<sub>8</sub>H<sub>8</sub>ClN<sub>3</sub>O<sub>4</sub>S  
**Molecular Weight:** 277.688  
**Accurate Mass:** 276.992404  
**Percentage Composition:** C 34.60%; H 2.90%; Cl 12.77%; N 15.13%; O 23.05%; S 11.55%  
**Melting Point:** Mp 182-183°