

Bis(3-methyl-2,4-pentanedionato)copper

Inchi: InChI=1S/2C6H10O2.Cu/c2*1-4(5(2)7)6(3)8;/h2*7H,1-3H3;/q;+2/p-2/b2*5-4-;
InchiKey: FIPIGPISPYWLIF-SJGYQHGCSA-L
Formula: C₁₂H₁₈CuO₄
SMILES: CC(=O)C(C)=C(C)[O-].CC(=O)C(C)=C(C)[O-].[Cu]
Mol. weight [g/mol]: 289.81
CAS: 14781-49-8

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------------|--------|--------------|
| hsub | 136.00 ± 1.00 | kJ/mol | NIST Webbook |
| hsub | 132.70 ± 2.50 | kJ/mol | NIST Webbook |
| ie | 7.97 ± 0.05 | eV | NIST Webbook |

Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---------------|---------------|--------|-----------------|--------------|
| hsubt | 132.70 | kJ/mol | 430.00 | NIST Webbook |
| hsubt | 131.00 ± 1.00 | kJ/mol | 396.70 | NIST Webbook |

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14781498&Units=SI>

Legend

hsub: Enthalpy of sublimation at standard conditions
hsubt: Enthalpy of sublimation at a given temperature
ie: Ionization energy

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