Copper(II), benzoylacetonate

Other names:	Copper, bis(1-phenyl-1,3-butanedionato-O,O')-
	Bis(1-phenyl-1,3-butanedionato)copper
Inchi:	InChI=1S/2C10H10O2.Cu/c2*1-8(11)7-10(12)9-5-3-2-4-6-9;/h2*2-7,12H,1H3;/q;;+2/p-2/b
InchiKey:	IIPJCJBKVVFLHI-CVMHYBSASA-L
Formula:	C20H18CuO4
SMILES:	CC(=O)C=C([O-])c1ccccc1.CC(=O)C=C([O-])c1ccccc1.[Cu]
Mol. weight [g/mol]:	385.90
CAS:	14128-84-8

Physical Properties

Property code	Value	Unit	Source
hsub	159.30 ± 1.70	kJ/mol	NIST Webbook
hsub	159.30 ± 1.90	kJ/mol	NIST Webbook
hsub	160.00 ± 4.00	kJ/mol	NIST Webbook
ie	8.37 ± 0.05	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	152.20 ± 1.70	kJ/mol	439.50	NIST Webbook
hsubt	152.20 ± 1.90	kJ/mol	439.50	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C14128848&Units=SI

Legend

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