

Bis(acetylacetonato)zinc

Other names:	Zinc, bis(2,4-pentanedionato)- Zinc, bis(2,4-pentanedionato-O,O')-, (T-4)- Bis(2,4-pentanedionato)zinc Zinc acetoacetate Zinc acetylacetonate Zinc acetylacetone chelate Zinc bis(acetylacetonate) Zinc bis(acetylacetone) Zinc(II) acetylacetonate Zinc, bis(2,4-pentanedionato)di- (CH ₃ COCHCOCH ₃) ₂ Zn Zinc 2,4-pentanedionate Zinc bis(2,4-pentanedionate) Zinc, bis(2,4-pentanedionato-O,O')- bis(pentane-2,4-dionato-O,O')zinc
Inchi:	InChI=1S/2C ₅ H ₈ O ₂ .Zn/c2*1-4(6)3-5(2)7;/h2*3,6H,1-2H3;/q;;+2/p-2/b2*4-3-;
InchiKey:	CYDXJXD AFPJUQE-FDGPNNRMSA-L
Formula:	C ₁₀ H ₁₄ O ₄ Zn
SMILES:	CC(=O)C=C(C)[O-].CC(=O)C=C(C)[O-].[Zn]
Mol. weight [g/mol]:	263.60
CAS:	14024-63-6

Physical Properties

Property code	Value	Unit	Source
hsub	133.00 ± 8.00	kJ/mol	NIST Webbook
ie	7.80	eV	NIST Webbook
ie	8.62 ± 0.05	eV	NIST Webbook
ie	8.34	eV	NIST Webbook
ie	8.46	eV	NIST Webbook
tf	400.50 ± 0.10	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
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hfust	18.20	kJ/mol	400.50	NIST Webbook
sfust	45.50	J/mol×K	400.50	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14024636&Units=SI>

Legend

hfust: Enthalpy of fusion at a given temperature
hsub: Enthalpy of sublimation at standard conditions
ie: Ionization energy
sfust: Entropy of fusion at a given temperature
tf: Normal melting (fusion) point

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