

Vanadyl bis(acetylacetonate)

Other names:	Vanadium, oxobis(2,4-pentanedionato-O,O')-, (SP-5-21)- Vanadium, oxobis(2,4-pentanedionato)- Bis(acetylacetonato)oxovanadium Bis(acetylacetonato)oxyvanadium Bis(2,4-pentanedionato)oxovanadium(IV) Oxobis(acetylacetonato)vanadium Oxobis(2,4-pentanedionato)vanadium Vanadium oxyacetoacetate Vanadyl bis(2,4-pentanedionate) Bis(2,4-pentanedionato)oxovanadium NSC 116105 NSC 4659 NSC 52327 Vanadium, oxobis(2,4-pentanedionato-«kappa»O,«kappa»O')-, (SP-5-21)- Vanadium, oxobis(2,4-pentanedionato-«kappa»O2,«kappa»O4)-, (SP-5-21)- Vanadyl acetylacetonate oxobis(pentane-2,4-dionato-O,O')vanadium
Inchi:	InChI=1S/2C5H8O2.O.V/c2*1-4(6)3-5(2)7;/h2*3,6H,1-2H3;/q;;;+2/p-2/b2*4-3-;;
InchiKey:	JFHJZWAQYMGNBE-SUKNRPLKSA-L
Formula:	C10H14O5V
SMILES:	CC(=O)C=C(C)[O-].CC(=O)C=C(C)[O-].O.[V]
Mol. weight [g/mol]:	265.16
CAS:	3153-26-2

Physical Properties

Property code	Value	Unit	Source
hsub	140.40 ± 1.10	kJ/mol	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	140.70 ± 4.00	kJ/mol	493.00	NIST Webbook
hsubt	91.50	kJ/mol	430.50	NIST Webbook

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C3153262&Units=SI>

Legend

hsub: Enthalpy of sublimation at standard conditions

hsubt: Enthalpy of sublimation at a given temperature

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