

# Beryllium, bis(2,4-pentanedionato-O,O')-, (T-4)-

<b>Other names:</b>	Beryllium acetylacetonate Beryllium, bis(2,4-pentanedionato)- Beryllium bis(acetylacetonate) Beryllium diacetylacetonate Bis(acetylacetonato)beryllium Bis(2,4-pentanedionato)beryllium Beryllium 2,4-pentadionate Beryllium, bis(2,4-pentanedionato-O,O')- bis(pentane-2,4-dionato-O,O')beryllium
<b>Inchi:</b>	InChI=1S/2C5H8O2.Be/c2*1-4(6)3-5(2)7;/h2*3,6H,1-2H3;/q;;+2/p-2/b2*4-3-;
<b>InchiKey:</b>	BBKXDHBLPBKCFR-FDGPNNRMSA-L
<b>Formula:</b>	C10H14BeO4
<b>SMILES:</b>	CC(=O)C=C(C)[O-].CC(=O)C=C(C)[O-].[Be]
<b>Mol. weight [g/mol]:</b>	207.23
<b>CAS:</b>	10210-64-7

## Physical Properties

Property code	Value	Unit	Source
hsub	91.00 ± 1.40	kJ/mol	NIST Webbook
hsub	94.00 ± 1.00	kJ/mol	NIST Webbook
ie	8.10	eV	NIST Webbook
ie	8.41 ± 0.07	eV	NIST Webbook
tf	381.00 ± 1.00	K	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	15.70	kJ/mol	381.20	NIST Webbook
hvapt	65.70 ± 1.10	kJ/mol	446.50	NIST Webbook

# Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C10210647&Units=SI>

## Legend

<b>hfust:</b>	Enthalpy of fusion at a given temperature
<b>hsub:</b>	Enthalpy of sublimation at standard conditions
<b>hvapt:</b>	Enthalpy of vaporization at a given temperature
<b>ie:</b>	Ionization energy
<b>tf:</b>	Normal melting (fusion) point

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