Ytterbium, tris(2,2,6,6-tetramethyl-3,5-heptanedionato-O,O')-, (OC-6-11)-

Other names:	Resolve-AL Yb Tris(2,2,6,6-tetramethylheptane-3,5-dionate)ytterbium(III) Ytterbium(III) tris(2,2,6,6-tetramethyl-3,5-heptanedione) Ytterbium-tris(2,2,6,6-tetramethyl-3,5-heptanedionate) Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)ytterbium(III) Tris(dipivaloylmethanato)ytterbium Tris(dipivaloylmethanato)ytterbium(III) Ytterbium, tris(2,2,6,6-tetramethyl-3,5-heptanedionato)- NSC 177672 Ytterbium, tris(2,2,6,6-tetramethyl-3,5-heptanedionato-«kappa»O3,«kappa»O5)-, (OC-6-11)- Ytterbium, tris(2,2,6,6-tetramethyl-3,5-heptanedionato-«kappa»O,«kappa»O')-, (OC-6-11)- tris(2,2,6,6-tetramethylpentane-2,4-dionato)ytterbium(III)
Inchi:	InChI=1S/3C11H20O2.Yb/c3*1-10(2,3)8(12)7-9(13)11(4,5)6;/h3*7,12H,1-6H3;/q;;;+3/p-3/
InchiKey:	KACMHCBXMZUMQV-LWTKGLMZSA-K
Formula:	C33H57O6Yb
SMILES:	CC(C)(C)C(=O)C=C([O-])C(C)(C)C.CC(C)(C)C(=O)C=C([O-])C(C)(C)C.CC(C)(C)C(=O)C
Mol. weight [g/mol]:	722.86
CAS:	15492-52-1

Physical Properties

Property code	Value	Unit	Source
hsub	131.10 ± 2.70	kJ/mol	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	156.90	kJ/mol	388.00	NIST Webbook
hsubt	133.30	kJ/mol	427.00	NIST Webbook
hvapt	82.80	kJ/mol	469.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C15492521&Units=SI

Legend

hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
hvapt:	Enthalpy of vaporization at a given temperature

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