

Europium, tris(2,2,6,6-tetramethyl-3,5-heptanedionato)-

Other names:

(Dipivalomethanato)europium(III)

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

Europium tris(2,2,6,6-tetramethyl-3,5-heptanedionate)

Europium(III) 2,2,6,6-tetramethylheptane-3,5-dione

Tris(dipivalomethanato)europium

Tris(dipivaloylmethanato)europium

Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)europium

Resolve-AL

Europium(III)tris(2,2,6,6-tetramethylheptane-3,5-dione

Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)europium(III)

NSC 147451

Europium, tris(2,2,6,6-tetramethyl-3,5-heptanedionato-«kappa»O,«kappa»O')-,

(OC-6-11)-

Europium, tris(2,2,6,6-tetramethyl-3,5-heptanedionato-«kappa»O₃,«kappa»O₅)-,

(OC-6-11)-

tris(2,2,6,6-tetramethylheptane-3,5-dionato-O,O')europium

Inchi:	InChI=1S/3C11H20O2.Eu/c3*1-10(2,3)8(12)7-9(13)11(4,5)6;/h3*7,12H,1-6H3/q;;+3/p-3
InchiKey:	DVUACRCEVJAWMS-LWTKGZSA-K
Formula:	C ₃₃ H ₅₇ EuO ₆
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]:	701.77
CAS:	15522-71-1

Physical Properties

Property code	Value	Unit	Source
ie	9.80 ± 0.50	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	179.90	kJ/mol	398.00	NIST Webbook
hsubt	180.00	kJ/mol	398.00	NIST Webbook
hsubt	165.40	kJ/mol	448.00	NIST Webbook
hvapt	87.40	kJ/mol	478.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C15522711&Units=SI>

Legend

hsubt: Enthalpy of sublimation at a given temperature

hvapt: Enthalpy of vaporization at a given temperature

ie: Ionization energy

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