

Thallium heptanoate

Inchi:	InChI=1S/C7H14O2.Tl/c1-2-3-4-5-6-7(8)9;/h2-6H2,1H3,(H,8,9);/q;+1/p-1
InchiKey:	MXRZFHCTXKDHAJ-UHFFFAOYSA-M
Formula:	C7H13O2Tl
SMILES:	CCCCCCC(=O)O[TlH2]
Mol. weight [g/mol]:	333.56
CAS:	34244-91-2

Physical Properties

Property code	Value	Unit	Source
ss	330.83	J/molxK	NIST Webbook
ss	320.77	J/molxK	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	354.19	J/molxK	298.15	NIST Webbook
cps	367.50	J/molxK	298.15	NIST Webbook
cps	318.00	J/molxK	320.00	NIST Webbook
hfust	3.30	kJ/mol	502.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C34244912&Units=SI>

Legend

cps: Solid phase heat capacity
hfust: Enthalpy of fusion at a given temperature

ss: Solid phase molar entropy at standard conditions

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<https://www.chemeo.com/cid/34-766-4/Thallium-heptanoate.pdf>

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