

Thallium acetate

Inchi:	InChI=1S/C2H4O2.Tl/c1-2(3)4;/h1H3,(H,3,4);/q;+1/p-1
InchiKey:	HQOJMTATBXYHNR-UHFFFAOYSA-M
Formula:	C2H3O2Tl
SMILES:	CC(=O)[O-].[Tl+]
Mol. weight [g/mol]:	263.43

Physical Properties

Property code	Value	Unit	Source
af	-0.0598		Cheméo Relay (1.0)
gf	-233.83	kJ/mol	Cheméo Relay (1.0, beta)
hf	-345.12	kJ/mol	Cheméo Relay (1.0)
hvap	44.42	kJ/mol	Cheméo Relay (1.0)
ie	7.69	eV	Cheméo Relay (1.0)
log10ws	0.17		Cheméo Relay (1.0)
pc	2352.98	kPa	Cheméo Relay (1.0, beta)
tb	532.05	K	Cheméo Relay (1.0)
tc	1053.27	K	Cheméo Relay (1.0)
tf	404.00 ± 1.00	K	NIST Webbook
vc	0.164	m3/kmol	Cheméo Relay (1.0)

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C563688&Units=SI>

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Legend

af:	Acentric Factor
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions

h_{vap}:	Enthalpy of vaporization at standard conditions
i_e:	Ionization energy
log₁₀w_s:	Log10 of Water solubility in mol/l
p_c:	Critical Pressure
t_b:	Normal Boiling Point Temperature
t_c:	Critical Temperature
t_f:	Normal melting (fusion) point
v_c:	Critical Volume

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