

titanium(4+) ethanolate

Other names:	Ti(OEt) ₄ tetraethoxytitanium
Inchi:	InChI=1S/4C2H5O.Ti/c4*1-2-3;/h4*2H2,1H3;/q4*-1;+4
InchiKey:	JMXKSZRRTHPKDL-UHFFFAOYSA-N
Formula:	C ₈ H ₂₀ O ₄ Ti
SMILES:	CCO[Ti](OCC)(OCC)OCC
Mol. weight [g/mol]:	228.11
CAS:	3087-36-3

Physical Properties

Property code	Value	Unit	Source
chl	-5475.20 ± 5.00	kJ/mol	NIST Webbook
hf	-1360.80 ± 9.00	kJ/mol	NIST Webbook
hf	-1374.80 ± 9.90	kJ/mol	NIST Webbook
hf	-1363.50 ± 9.00	kJ/mol	NIST Webbook
hf	-1358.10 ± 9.90	kJ/mol	NIST Webbook
hfl	-1475.20 ± 5.20	kJ/mol	NIST Webbook
hfl	-1463.90 ± 3.30	kJ/mol	NIST Webbook
hfl	-1458.50 ± 5.30	kJ/mol	NIST Webbook
hfl	-1461.20 ± 3.10	kJ/mol	NIST Webbook
hvap	100.40 ± 8.40	kJ/mol	NIST Webbook
pc	1400.00	kPa	Critical Temperatures and Pressures of Some Tetraalkoxytitaniums

Sources

Critical Temperatures and Pressures of <https://www.doi.org/10.1021/je900302n>

Some Tetraalkoxytitaniums:

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C3087363&Units=SI>

Legend

chl:	Standard liquid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
pc:	Critical Pressure

Latest version available from:

<https://www.chemeo.com/cid/16-607-0/titanium-4-ethanolate.pdf>

Generated by Cheméo on 2024-04-23 11:09:27.719422286 +0000 UTC m=+16159816.639999596.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.