

Titanium, trichlorocyclopentadienyl-

Other names:	«eta»5-Cyclopentadienyltitanium trichloride Cyclopentadienyltitanium trichloride «pi»-Cyclopentadienyltitanium trichloride Cyclopentadiene titanium trichloride Cyclopentadienyltrichlorotitanium Titanium, trichloro(«eta»5-2,4-cyclopentadien-1-yl)- Titanium, trichloro-«pi»-cyclopentadienyl- Trichloro(cyclopentadienyl)titanium Trichloro-«pi»-cyclopentadienyltitanium Cyclopentadienyltitanium(IV) trichloride Trichloro(cyclopentyldienyl)titanium
Inchi:	InChI=1S/C5H5.3ClH.Ti/c1-2-4-5-3-1;;;;/h1-5H;3*1H;/q;;;;+3/p-3
InchiKey:	AENCLWKVWIIQHQ-UHFFFAOYSA-K
Formula:	C5H5Cl3Ti
SMILES:	Cl[Ti]1234(Cl)(Cl)C5C1C2C3C54
Mol. weight [g/mol]:	219.32
CAS:	1270-98-0

Physical Properties

Property code	Value	Unit	Source
chs	-3087.00 ± 6.70	kJ/mol	NIST Webbook
hf	-520.80 ± 6.80	kJ/mol	NIST Webbook
hfs	-609.90 ± 6.80	kJ/mol	NIST Webbook
hsub	104.60 ± 8.40	kJ/mol	NIST Webbook
hsub	89.10 ± 0.80	kJ/mol	NIST Webbook
ie	9.10	eV	NIST Webbook
ie	9.79	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	89.80	kJ/mol	379.00	NIST Webbook

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C1270980&Units=SI>

Legend

chs:	Standard solid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase enthalpy of formation at standard conditions
hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
ie:	Ionization energy

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