

tellurium hexafluoride

Inchi:	InChI=1S/F6Te/c1-7(2,3,4,5)6
InchiKey:	NNCGPRGCYAWTAF-UHFFFAOYSA-N
Formula:	F6Te
SMILES:	F[Te](F)(F)(F)(F)F
Mol. weight [g/mol]:	241.59
CAS:	7783-80-4

Physical Properties

Property code	Value	Unit	Source
ea	3.30 ± 0.10	eV	NIST Webbook
ea	3.34 ± 0.17	eV	NIST Webbook
ea	3.30 ± 0.20	eV	NIST Webbook
log10ws	0.16		Crippen Method
logp	2.140		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	25.60	kJ/mol	213.50	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7783804&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ea:	Electron affinity
hsubt:	Enthalpy of sublimation at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.cheméo.com/cid/14-475-9/tellurium-hexafluoride.pdf>

Generated by Cheméo on 2025-12-05 20:06:20.472009017 +0000 UTC m=+4713378.002049672.

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