

Germane, tris(trifluoromethyl)-

Inchi:	InChI=1S/C3HF9Ge/c4-1(5,6)13(2(7,8)9)3(10,11)12/h13H
InchiKey:	CKXOTLIPURAVHF-UHFFFAOYSA-N
Formula:	C3HF9Ge
SMILES:	FC(F)(F)[GeH](C(F)(F)F)C(F)(F)F
Mol. weight [g/mol]:	280.67
CAS:	66348-14-9

Physical Properties

Property code	Value	Unit	Source
ie	11.40	eV	NIST Webbook
ie	12.80	eV	NIST Webbook
log10ws	-0.58		Crippen Method
logp	2.518		Crippen Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C66348149&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/40-746-9/Germane-tris-trifluoromethyl.pdf>

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