

Borane, tris(1-methylethyl)-

Other names:	Triisopropylborane
Inchi:	InChI=1S/C9H21B/c1-7(2)10(8(3)4)9(5)6/h7-9H,1-6H3
InchiKey:	ZTKBVWUYLHTIBB-UHFFFAOYSA-N
Formula:	C9H21B
SMILES:	CC(C)B(C(C)C)C(C)C
Mol. weight [g/mol]:	140.07
CAS:	1776-66-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.09		Crippen Method
logp	3.711		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	40.00	kJ/mol	333.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1776665&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

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<https://www.chemeo.com/cid/61-237-1/Borane-tris-1-methylethyl.pdf>

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