

Boric acid (H3BO3), tripentyl ester

Other names:	Pentyl borate, (C5H11O)3B
	Triamyl borate
	Tripentyl borate
	Tripentyl borate ((C5H11O)3B)
	tri-n-Amylborate
	Boric acid, tri-n-amyl ester
	Boric acid, tri-n-pentyl ester
	Tri-n-pentyl borate
	NSC 780
Inchi:	InChI=1S/C15H33BO3/c1-4-7-10-13-17-16(18-14-11-8-5-2)19-15-12-9-6-3/h4-15H2,1-3H1
InchiKey:	JLPJTCTGUKOBWRJ-UHFFFAOYSA-N
Formula:	C15H33BO3
SMILES:	CCCCCOB(OCCCCC)OCCCCC
Mol. weight [g/mol]:	272.23
CAS:	621-78-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.61		Crippen Method
logp	4.592		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	67.70	kJ/mol	457.50	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C621783&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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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