

# Tributyl borate

<b>Other names:</b>	Boric acid (H <sub>3</sub> BO <sub>3</sub> ), tributyl ester n-Butyl borate Borester 2 Boric acid, tributyl ester Boron tributoxide Butyl borate Tri-n-butoxyborane Tri-n-butyl borate Tributoxyborane Tributoxyboron Tributyl orthoborate Tris(butoxy)borane (n-C <sub>4</sub> H <sub>9</sub> O) <sub>3</sub> B Boric acid tri-n-butyl ester Borane, tributoxy- Butyl borate, (BuO) <sub>3</sub> B Butyl borate, tri- Tributylester kyseliny borite NSC 779
<b>Inchi:</b>	InChI=1S/C12H27BO3/c1-4-7-10-14-13(15-11-8-5-2)16-12-9-6-3/h4-12H2,1-3H3
<b>InchiKey:</b>	LGQXXHMEBUOXRP-UHFFFAOYSA-N
<b>Formula:</b>	C <sub>12</sub> H <sub>27</sub> BO <sub>3</sub>
<b>SMILES:</b>	CCCCOB(OCCCC)OCCCC
<b>Mol. weight [g/mol]:</b>	230.15
<b>CAS:</b>	688-74-4

## Physical Properties

Property code	Value	Unit	Source
ie	10.72 ± 0.74	eV	NIST Webbook
log10ws	-1.36		Crippen Method
logp	3.421		Crippen Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	58.10	kJ/mol	442.00	NIST Webbook
hvapt	55.90	kJ/mol	440.50	NIST Webbook

## Sources

Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C688744&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C688744&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

<b>hvapt:</b>	Enthalpy of vaporization at a given temperature
<b>ie:</b>	Ionization energy
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

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