

# Triethyl borate

<b>Other names:</b>	Boric acid, triethyl ester Borane, triethoxy- Boron ethoxide Boron triethoxide Triethoxyborane Triethoxyboron B(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Boric acid (H <sub>3</sub> -BO <sub>3</sub> ), triethyl ester Ethyl borate ((EtO) <sub>3</sub> B) Triethylester kyseliny borite Ethyl borate NSC 2055
<b>Inchi:</b>	InChI=1S/C6H15BO3/c1-4-8-7(9-5-2)10-6-3/h4-6H2,1-3H3
<b>InchiKey:</b>	AJSTXXYNEIHPMD-UHFFFAOYSA-N
<b>Formula:</b>	C <sub>6</sub> H <sub>15</sub> BO <sub>3</sub>
<b>SMILES:</b>	CCOB(OCC)OCC
<b>Mol. weight [g/mol]:</b>	145.99
<b>CAS:</b>	150-46-9

## Physical Properties

Property code	Value	Unit	Source
ie	10.13	eV	NIST Webbook
ie	10.47 ± 0.12	eV	NIST Webbook
log10ws	1.15		Crippen Method
logp	1.081		Crippen Method
tb	391.80 ± 0.50	K	NIST Webbook
tb	391.00	K	NIST Webbook
tf	188.40 ± 0.50	K	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	41.00	kJ/mol	342.00	NIST Webbook
hvapt	38.20	kJ/mol	342.00	NIST Webbook

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## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C150469&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C150469&amp;Units=SI</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
<b>tb:</b>	Normal Boiling Point Temperature
<b>tf:</b>	Normal melting (fusion) point

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