

Chloro(diethoxy)borane

Inchi:	InChI=1S/C4H10BClO2/c1-3-7-5(6)8-4-2/h3-4H2,1-2H3
InchiKey:	LWDVSPMGNLWXKP-UHFFFAOYSA-N
Formula:	C4H10BClO2
SMILES:	CCOB(Cl)OCC
Mol. weight [g/mol]:	136.38
CAS:	20905-32-2

Physical Properties

Property code	Value	Unit	Source
hvap	38.90 ± 0.80	kJ/mol	NIST Webbook
ie	10.52	eV	NIST Webbook
log10ws	0.93		Crippen Method
logp	1.283		Crippen Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C20905322&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

hvap:	Enthalpy of vaporization at standard conditions
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/55-429-5/Chloro-diethoxy-borane.pdf>

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