PENTABROMOETHANE

Other names: Ethane, pentabromo-
Inchi: InChI=1S/C2HBr5/c3-1(4)2(5,6)7/h1H
InchiKey: OGVPXEPSTZMAFF-UHFFFAOYSA-N
Formula: C2HBr5
SMILES: BrC(Br)C(Br)(Br)Br
Mol. weight [g/mol]: 424.55

Physical Properties

Property code	Value	Unit	Source
hfus	16.42	kJ/mol	Joback Method
logp	3.941		Crippen Method
mcvol	126.540	ml/mol	McGowan Method
tf	251.22	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	157.08	J/mol×K	572.29	Joback Method
cpg	159.62	J/mol×K	620.89	Joback Method
cpg	161.48	J/mol×K	669.50	Joback Method
cpg	162.84	J/mol×K	718.10	Joback Method
cpg	163.88	J/mol×K	766.71	Joback Method
cpg	164.77	J/mol×K	815.31	Joback Method
cpg	165.68	J/mol×K	863.92	Joback Method
dvisc	0.0017878	Pa×s	398.72	Joback Method
dvisc	0.0012307	Pa×s	427.65	Joback Method
dvisc	0.0008882	Pa×s	456.58	Joback Method
dvisc	0.0006665	Pa×s	485.50	Joback Method
dvisc	0.0005165	Pa×s	514.43	Joback Method
dvisc	0.0004113	Pa×s	543.36	Joback Method
dvisc	0.0003351	Pa×s	572.29	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C75956&Units=SI

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point