2,3-bis-(Bromomethyl)-1,4-dibromo-2-butene

Other names: 2,3-di(Bromomethyl)-1,4-dibrom butene-2
2-Butene, 2,3-bis(bromomethyl)-1,4-dibromo-
1,4-Dibromo-2,3-bis(bromomethyl)-2-butene
Inchi: InChI=1S/C6H8Br4/c7-1-5(2-8)6(3-9)4-10/h1-4H2
InchiKey: GJZKNORRVIUCCH-UHFFFAOYSA-N
Formula: C6H8Br4
SMILES: BrCC(CBr)=C(CBr)CBr
Mol. weight [g/mol]: 399.74
CAS: 30432-16-7

Physical Properties

Property code	Value	Unit	Source
gf	120.04	kJ/mol	Joback Method
hf	35.79	kJ/mol	Joback Method
hfus	30.02	kJ/mol	Joback Method
hvap	54.81	kJ/mol	Joback Method
log10ws	-3.91		Crippen Method
logp	3.863		Crippen Method
mcvol	161.100	ml/mol	McGowan Method
pc	4717.12	kPa	Joback Method
tb	605.24	K	Joback Method
tc	855.21	K	Joback Method
tf	363.58	K	Joback Method
vc	0.602	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	275.43	J/mol×K	605.24	Joback Method
cpg	283.37	J/mol×K	646.90	Joback Method
cpg	290.62	J/mol×K	688.56	Joback Method
cpg	297.30	J/mol×K	730.23	Joback Method
cpg	303.52	J/mol×K	771.89	Joback Method
cpg	309.37	J/mol×K	813.55	Joback Method

cpg	314.98	J/mol×K	855.21	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C30432167&Units=SI

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

Latest version available from:
https://www.chemeo.com/cid/44-102-9/2-3-bis-Bromomethyl-1-4-dibromo-2-butene.pdf
Generated by Cheméo on 2024-04-17 03:53:38.554593155 +0000 UTC m=+15615267.475170476.
Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.