1,2-Bis(dimethylphosphino)ethane

Inchi: InChI=1S/C6H16P2/c1-7(2)5-6-8(3)4/h5-6H2,1-4H3
InchiKey: ZKWQSBFSGZJNFP-UHFFFAOYSA-N
Formula: C6H16P2
SMILES: CP(C)CCP(C)C
Mol. weight [g/mol]: 150.14
CAS: 23936-60-9

Physical Properties

Property code	Value	Unit	Source
log10ws	5.96		Crippen Method
logp	2.469		Crippen Method
mcvol	136.320	ml/mol	McGowan Method
tb	461.20	K	NIST Webbook
tf	272.50 ± 0.50	K	NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	354.50 ± 0.50	K	3.50	NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C23936609&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tf:	Normal melting (fusion) point

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