Diisobutylphosphite

Other names: Diisobutylphosphite
Inchi: InChI=1S/C8H19O3P/c1-7(2)5-10-12(9)11-6-8(3)4/h7-8,12H,5-6H2,1-4H3
InchiKey: FDFUDZVGGRIXEX-UHFFFAOYSA-N
Formula: C8H19O3P
SMILES: CC(C)CO[PH](=O)OCC(C)C
Mol. weight [g/mol]: 194.21

Physical Properties

Property code	Value	Unit	Source
hvap	62.12	kJ/mol	Cheméo Relay (1.0)
ie	10.25	eV	Cheméo Relay (1.0)
logp	2.721		Crippen Method
mcvol	161.650	ml/mol	McGowan Method
tb	508.50 ± 0.50	K	NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	385.00 ± 1.00	K	1.70	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1189248&Units=SI
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):

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure