Bis(trifluoromethyl)phosphine

Other names: Bis(trifluoromethyl)phosphine
Inchi: InChI=1S/C2HF6P/c3-1(4,5)9-2(6,7)8/h9H
InchiKey: CJOZYRZUMSWLHJ-UHFFFAOYSA-N
Formula: C2HF6P
SMILES: FC(F)(F)PC(F)(F)F
Mol. weight [g/mol]: 169.99

Physical Properties

Property code	Value	Unit	Source
ie	11.50	eV	NIST Webbook
ie	11.51	eV	NIST Webbook
logp	2.705		Crippen Method
mcvol	70.120	ml/mol	McGowan Method

Sources

Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C460968&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

Legend

ie: Ionization energy
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume