Bis(trifluoromethyl)iodophosphine

Other names: bis(trifluoromethyl) phosphinous iodide
Inchi: InChI=1S/C2F6IP/c3-1(4,5)10(9)2(6,7)8
InchiKey: HGVWFVCHIXYCGH-UHFFFAOYSA-N
Formula: C2F6IP
SMILES: FC(F)(F)P(I)C(F)(F)F
Mol. weight [g/mol]: 295.89
CAS: 359-64-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.77		Crippen Method
logp	3.858		Crippen Method
mcvol	95.940	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	33.20	kJ/mol	296.50	NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C359648&Units=SI

Legend

hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume