Phosphine, (methoxy)diphenyl-

Other names:	Phosphinous acid, diphenyl-, methyl ester methoxydiphenylphosphine
Inchi:	InChI=1S/C13H13OP/c1-14-15(12-8-4-2-5-9-12)13-10-6-3-7-11-13/h2-11H,1H3
InchiKey:	OAADXJFIBNEPLY-UHFFFAOYSA-N
Formula:	C13H13OP
SMILES:	COP(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	216.22

Physical Properties

Property code	Value	Unit	Source
hf	43.49	kJ/mol	Cheméo Relay (1.0)
hvap	72.28	kJ/mol	Cheméo Relay (1.0)
ie	8.22	eV	Cheméo Relay (1.0)
log10ws	-3.12		Cheméo Relay (1.0)
logp	2.681		Crippen Method
mcvol	172.840	ml/mol	McGowan Method
pc	2822.86	kPa	Cheméo Relay (1.0, beta)
tb	561.63	K	Cheméo Relay (1.0)
tf	301.08	K	Cheméo Relay (1.0)

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4020999&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

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
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
tf:	Normal melting (fusion) point