

Phosphine, methyldipropyl-

Other names:	(n-C ₃ H ₇) ₂ (CH ₃)P
Inchi:	InChI=1S/C ₇ H ₁₇ P/c1-4-6-8(3)7-5-2/h4-7H ₂ ,1-3H ₃
InchiKey:	OJIIWFKIAMTMDH-UHFFFAOYSA-N
Formula:	C ₇ H ₁₇ P
SMILES:	CCCP(C)CCC
Mol. weight [g/mol]:	132.18
CAS:	62158-11-6

Physical Properties

Property code	Value	Unit	Source
affp	983.50	kJ/mol	NIST Webbook
basg	950.90	kJ/mol	NIST Webbook
log10ws	1.39		Crippen Method
logp	2.918		Crippen Method
mcvol	129.950	ml/mol	McGowan Method

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=C62158116&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

affp:	Proton affinity
basg:	Gas basicity
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/55-539-3/Phosphine-methyldipropyl.pdf>

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