

n-Hexylphosphonic dichloride

Other names:	Hexylphosphonic dichloride
Inchi:	InChI=1S/C6H13Cl2OP/c1-2-3-4-5-6-10(7,8)9/h2-6H2,1H3
InchiKey:	GZXBQDURAKBNAZ-UHFFFAOYSA-N
Formula:	C6H13Cl2OP
SMILES:	CCCCCP(=O)(Cl)Cl
Mol. weight [g/mol]:	203.05
CAS:	928-64-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.91		Crippen Method
logp	4.237		Crippen Method
mcvol	146.210	ml/mol	McGowan Method
rinpol	1326.60		NIST Webbook
rinpol	1326.60		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=C928643&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/80-958-0/n-Hexylphosphonic-dichloride.pdf>

Generated by Cheméo on 2024-05-01 04:42:32.532873129 +0000 UTC m=+16827801.453450449.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.