

Diphosphorus trihydride

Inchi:	InChI=1S/H3P2/c1-2/h1H,2H2
InchiKey:	IRTDMQBPZIYLQB-UHFFFAOYSA-N
Formula:	H3P2
SMILES:	P=[PH3]
Mol. weight [g/mol]:	64.97
CAS:	12208-07-0

Physical Properties

Property code	Value	Unit	Source
ie	9.10	eV	NIST Webbook
log10ws	6.72		Crippen Method
logp	0.652		Crippen Method
mcvol	51.780	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C12208070&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

ie:	Ionization energy
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/55-212-5/Diphosphorus-trihydride.pdf>

Generated by Cheméo on 2024-04-19 02:14:41.397806086 +0000 UTC m=+15782130.318383397.

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