

Mipafox

Other names:	Bis(isopropylamido) fluorophosphate Bis(monoisopropylamino)fluorophosphate Bis(monoisopropylamino)fluorophosphine oxide Bisisopropylaminofluorophosphine oxide Di(isopropylamido)phosphoryl fluoride Fluoro(bis(isopropylamino))phosphine oxide Fluorure de N,N'-diisopropyle phosphorodiamide Isopestox N,N'- Di-isopropylphosphorodiamidic fluoride N,N'-Diisopropil-fosforodiammido-fluoruro N,N'-Diisopropyl-diamido-fosforzuur-fluoride N,N'-Diisopropyl-diamido-phosphorsaeure-fluorid N,N'-Diisopropyldiamidophosphoryl fluoride NSC 8924 Peston XV Pestox 15 Pestox XV Phosphine oxide, fluorobis(isopropylamino)- Phosphorodi(isopropylamidic) fluoride Phosphorodiamidic fluoride, N,N'-bis(1-methylethyl)- Phosphorodiamidic fluoride, N,N'-diisopropyl-
Inchi:	InChI=1S/C6H16FN2OP/c1-5(2)8-11(7,10)9-6(3)4/h5-6H,1-4H3,(H2,8,9,10)
InchiKey:	UOSHUBFBCPGQAY-UHFFFAOYSA-N
Formula:	C6H16FN2OP
SMILES:	CC(C)NP(=O)(F)NC(C)C
Mol. weight [g/mol]:	182.18
CAS:	371-86-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.05		Crippen Method
logp	2.060		Crippen Method
mcvol	143.460	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	58.10	kJ/mol	338.00	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	2.21368e+01
Coeff. B	-6.98374e+03
Temperature range (K), min.	319.63
Temperature range (K), max.	415.07

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C371868&Units=SI
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure

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
pvap:	Vapor pressure

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