

2-Propanol, 1,3-dichloro-, phosphate (3:1)

Other names:	1,3-Dichloro-2-propanol phosphate (3:1)
	CRP
	CRP (fireproofing agent)
	Emulsion 212
	Fosforan troj-(1,3-dwuchloroizopropylowy)
	Fyrol FR 2
	PF 38
	PF 38/3
	Phosphoric acid tris(1,3-dichloro-2-propyl)ester
	TDCPP
	Tcpp
	Tri(«beta»,«beta»'-dichloroisopropyl)phosphate
	Tris(1,3-dichloro-2-propyl) phosphate
	Tris(1,3-dichloro-2-propyl) phosphate
	Tris(1-chloromethyl-2-chloroethyl)phosphate
	tris(1,3-dichloro-2-propanol) phosphate
	tris(1,3-dichloropropan-2-yl) phosphate
	tris[2-chloro-1-(chloromethyl)ethyl] phosphate
Inchi:	InChI=1S/C9H15Cl6O4P/c10-1-7(2-11)17-20(16,18-8(3-12)4-13)19-9(5-14)6-15/h7-9H,1
InchiKey:	ASLWPAWFJZFCKF-UHFFFAOYSA-N
Formula:	C9H15Cl6O4P
SMILES:	O=P(OC(CCl)CCl)(OC(CCl)CCl)OC(CCl)CCl
Mol. weight [g/mol]:	430.91

Physical Properties

Property code	Value	Unit	Source
logp	4.683		Crippen Method
mcvol	255.050	ml/mol	McGowan Method
rinpol	2254.00		NIST Webbook
rinpol	2254.00		NIST Webbook
rinpol	2248.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
pvap	4.10e-07	kPa	298.00	Determination of Vapor Pressures for Organophosphate Esters

Sources

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):	
Determination of Vapor Pressures for Organophosphate Esters:	https://www.doi.org/10.1021/je401026a
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C13674878&Units=SI
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pvap:	Vapor pressure
rinpol:	Non-polar retention indices

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