

# Cadusafos

<b>Other names:</b>	Phosphorodithioic acid, O-ethyl-, S,S-bis(1-methylpropyl)ester Ebufos O-Ethyl-S,S-bis(1-methylpropyl)phosphorodithioate O-Ethyl-S,S-di-sec-butylphosphorodithioate FMC 67825 Rugby Taredan Cadusaphos
<b>Inchi:</b>	InChI=1S/C10H23O2PS2/c1-6-9(4)14-13(11,12-8-3)15-10(5)7-2/h9-10H,6-8H2,1-5H3
<b>InchiKey:</b>	KXRPCFINVWWFHQ-UHFFFAOYSA-N
<b>Formula:</b>	C10H23O2PS2
<b>SMILES:</b>	CCOP(=O)(SC(C)CC)SC(C)CC
<b>Mol. weight [g/mol]:</b>	270.39
<b>CAS:</b>	95465-99-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.35		Crippen Method
logp	5.194		Crippen Method
mcvol	216.660	ml/mol	McGowan Method
rinpol	1706.80		NIST Webbook
rinpol	1692.00		NIST Webbook
rinpol	1692.00		NIST Webbook

## Sources

<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C95465999&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C95465999&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

# Legend

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

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