Dioxathion degradation product

Inchi: InChI=1S/C8H15O4PS2/c1-3-11-13(14,12-4-2)15-8-7-9-5-6-10-8/h7H,3-6H2,1-2H3
InchiKey: BRKIRWVYJPUKQJ-UHFFFAOYSA-N
Formula: C8H15O4PS2
SMILES: CCOP(=S)(OCC)SC1=COCCO1
Mol. weight [g/mol]: 270.31

Physical Properties

Property code	Value	Unit	Source
log10ws	1.11		Crippen Method
logp	2.863		Crippen Method
mcvol	185.060	ml/mol	McGowan Method
rinpol	1795.00		NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U333674&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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