

Vinyloxy radical

Inchi: InChI=1S/C2H3O/c1-2-3/h2H,1H2
InchiKey: FATAVLOOLIRUNA-UHFFFAOYSA-N
Formula: C2H3O
SMILES: C=C[O]
Mol. weight [g/mol]: 43.04
CAS: 6912-06-7

Physical Properties

Property code	Value	Unit	Source
ie	10.85	eV	NIST Webbook
log10ws	-4.90		Crippen Method
logp	0.560		Crippen Method
mcvol	38.460	ml/mol	McGowan Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
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=C6912067&Units=SI>

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/50-065-4/Vinyloxy-radical.pdf>

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