

1-Oxoprop-2-ynyl

Other names:	HCCCO
Inchi:	InChI=1S/C3HO/c1-2-3-4/h1H
InchiKey:	NONQAKWUTFTDMS-UHFFFAOYSA-N
Formula:	C3HO
SMILES:	C#C[C]=O
Mol. weight [g/mol]:	53.04
CAS:	134389-55-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.74		Crippen Method
logp	-0.271		Crippen Method
mcvol	43.950	ml/mol	McGowan Method

Sources

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=C134389552&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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<https://www.chemeo.com/cid/71-021-9/1-Oxoprop-2-ynyl.pdf>

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