

Oxazole, 2-methyl-5-propyl

Inchi: InChI=1S/C7H11NO/c1-3-4-7-5-8-6(2)9-7/h5H,3-4H2,1-2H3
InchiKey: DDDRMAQEYHTVNK-UHFFFAOYSA-N
Formula: C7H11NO
SMILES: CCCc1cnc(C)o1
Mol. weight [g/mol]: 125.17

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.67		Crippen Method
logp	1.936		Crippen Method
mcvol	105.880	ml/mol	McGowan Method
rinpol	901.00		NIST Webbook
ripol	1229.00		NIST Webbook
ripol	1247.00		NIST Webbook

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=R61849&Units=SI>

Legend

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

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<https://www.chemeo.com/cid/57-733-5/Oxazole-2-methyl-5-propyl.pdf>

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