

1-(1-Methoxycarbonyl-1-ethylpropyl)-2-methoxydi

Inchi: InChI=1S/C8H16N2O4/c1-5-8(6-2,7(11)13-3)10(12)9-14-4/h5-6H2,1-4H3/b10-9-
InchiKey: ROYCLGATJAMTBH-KTKRTIGZSA-N
Formula: C8H16N2O4
SMILES: CCC(CC)(C(=O)OC)[N+][O-]=NOC
Mol. weight [g/mol]: 204.22

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.37		Crippen Method
logp	1.242		Crippen Method
mcvol	158.420	ml/mol	McGowan Method
rinpol	1378.00		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=R121301&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

Latest version available from:

<https://www.chemeo.com/cid/22-002-4/1-1-Methoxycarbonyl-1-ethylpropyl-2-methoxydiazene-1-oxide.pdf>

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