

# Carbonic acid, monoamide, N-octyl-, decyl ester

<b>Inchi:</b>	InChI=1S/C19H39NO2/c1-3-5-7-9-11-12-14-16-18-22-19(21)20-17-15-13-10-8-6-4-2/h3-
<b>InchiKey:</b>	DBIYZCCFWHJWAP-UHFFFAOYSA-N
<b>Formula:</b>	C19H39NO2
<b>SMILES:</b>	CCCCCCCCCOC(O)=NCCCCCCCC
<b>Mol. weight [g/mol]:</b>	313.52

## Physical Properties

Property code	Value	Unit	Source
hf	-647.51	kJ/mol	Joback Method
hvap	80.37	kJ/mol	Joback Method
log10ws	-6.34		Crippen Method
logp	6.418		Crippen Method
mcvol	295.990	ml/mol	McGowan Method
pc	1063.10	kPa	Joback Method
rinpol	2528.00		NIST Webbook
rinpol	2528.00		NIST Webbook
tb	825.28	K	Joback Method
tc	1011.08	K	Joback Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U415183&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U415183&amp;Units=SI</a>

## Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

Latest version available from:

<https://www.chemeo.com/cid/99-571-9/Carbonic-acid-monoamide-N-octyl-decyl-ester.pdf>

Generated by Cheméo on 2024-05-06 04:18:59.561818894 +0000 UTC m=+17258388.482396206.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.