

# Carbamic acid, phenyl-, 2-methylpropyl ester

<b>Other names:</b>	Carbamic acid, phenyl, isobutyl ester Isobutyl N-phenyl carbamate
<b>Inchi:</b>	InChI=1S/C11H15NO2/c1-9(2)8-14-11(13)12-10-6-4-3-5-7-10/h3-7,9H,8H2,1-2H3,(H,12,
<b>InchiKey:</b>	ULLHJKVIRXQCJN-UHFFFAOYSA-N
<b>Formula:</b>	C11H15NO2
<b>SMILES:</b>	CC(C)COC(O)=Nc1ccccc1
<b>Mol. weight [g/mol]:</b>	193.24
<b>CAS:</b>	2291-80-7

## Physical Properties

Property code	Value	Unit	Source
hf	-251.14	kJ/mol	Joback Method
hvap	64.45	kJ/mol	Joback Method
log10ws	-2.45		Crippen Method
logp	2.905		Crippen Method
mcvol	159.510	ml/mol	McGowan Method
pc	2603.08	kPa	Joback Method
ripol	1552.00		NIST Webbook
ripol	2089.00		NIST Webbook
ripol	2089.00		NIST Webbook
tb	668.48	K	Joback Method
tc	878.08	K	Joback Method

## Sources

<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=C2291807&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2291807&amp;Units=SI</a>
<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>

# Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>log<sub>10</sub>ws:</b>	Log <sub>10</sub> of Water solubility in mol/l
<b>log<sub>p</sub>:</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>ripol:</b>	Polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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