

# Ropivacaine

<b>Other names:</b>	((-))-1-Propyl-2',6'-pipercoloxylidide LEA-103 2-Piperidinecarboxamide, N-(2,6-dimethylphenyl)-1-propyl-, (2S)- N-(2,6-dimethylphenyl)-1-propyl-2-piperidinecarboxamide
<b>Inchi:</b>	InChI=1S/C17H26N2O/c1-4-11-19-12-6-5-10-15(19)17(20)18-16-13(2)8-7-9-14(16)3/h7-9
<b>InchiKey:</b>	ZKMNUMMKYBVTFN-UHFFFAOYSA-N
<b>Formula:</b>	C17H26N2O
<b>SMILES:</b>	<chem>CCCN1CCCCC1C(=O)Nc1c(C)cccc1C</chem>
<b>Mol. weight [g/mol]:</b>	274.40
<b>CAS:</b>	84057-95-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.13		Crippen Method
logp	3.506		Crippen Method
mcpvol	237.300	ml/mol	McGowan Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	44.50	kJ/mol	414.20	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C84057954&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C84057954&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>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

# Legend

<b>hfust:</b>	Enthalpy of fusion at a given temperature
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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