Ropivacaine

Other names:	((-))-1-Propyl-2',6'-pipecoloxylidide
	LEA-103
	2-Piperidinecarboxamide, N-(2,6-dimethylphenyl)-1-propyl-, (2S)-
	N-(2,6-dimethylphenyl)-1-propyl-2-piperidinecarboxamide
Inchi:	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
InchiKey:	ZKMNUMMKYBVTFN-UHFFFAOYSA-N
Formula:	C17H26N2O
SMILES:	CCCN1CCCCC1C(=O)Nc1c(C)cccc1C
Mol. weight [g/mol]:	274.40
CAS:	84057-95-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.13		Crippen Method
logp	3.506		Crippen Method
mcvol	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

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C84057954&Units=SI
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

Legend

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