Mepivacaine

Other names:	(.+/-.)-1-Methyl-2',6'-pipecoloxylidide
	(.+/-.)-Mepivacaine
	1-Methyl-2',6'-pipecoloxylidide
	2',6'-Pipecoloxylidide, 1-methyl-
	2-Piperidinecarboxamide, N-(2,6-dimethylphenyl)-1-methyl-
	Carbocain
	Carbocaine
	DL-Mepivacaine
	Mepivicaine
	N-(2,6-Dimethylphenyl)-1-methyl-2-piperidinecarboxamide
	N-(2,6-dimethylphenyl)-1-methylpiperidine-2-carboxamide
	N-Methyl-2-pipecolic acid, 2,6-dimethylanilide
	N-Methyl-2-pipecolic acid, 2,6-xylidide
	N-Methylhexahydro-2-picolinic acid, 2,6-dimethylanilide
	Scandicain
	Scandicaine
	Scandicane
	d,l-mepivacaine
Inchi:	InChI=1S/C15H22N2O/c1-11-7-6-8-12(2)14(11)16-15(18)13-9-4-5-10-17(13)3/h6-8,13H,4
InchiKey:	INWLQCZOYSRPNW-UHFFFAOYSA-N
Formula:	C15H22N2O
SMILES:	Cc1cccc(C)c1NC(=O)C1CCCCN1C
Mol. weight [g/mol]:	246.35
CAS:	96-88-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.55		Aqueous Solubility Prediction Method
logp	2.726		Crippen Method
mcvol	209.120	ml/mol	McGowan Method
rinpol	2066.00		NIST Webbook
rinpol	2049.00		NIST Webbook
rinpol	2090.00		NIST Webbook
rinpol	2066.00		NIST Webbook
rinpol	2041.00		NIST Webbook
rinpol	2041.00		NIST Webbook

rinpol	2042.00		NIST Webbook
rinpol	2050.00		NIST Webbook
rinpol	2085.00		NIST Webbook
rinpol	2071.00		NIST Webbook
rinpol	2090.00		NIST Webbook
rinpol	2066.00		NIST Webbook
rinpol	2050.00		NIST Webbook
rinpol	2070.00		NIST Webbook
tf	423.65	K	Aqueous Solubility Prediction Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Aqueous Solubility Prediction Method: http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C96888&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

tf: Normal melting (fusion) point