Phenol, 2-chloro-4,5-dimethyl-, methylcarbamate

Other names: Phenol, 2-chloro-4,5-dimethyl-, methylcarbamate
Carbamic acid, methyl-, 6-chloro-3,4-xylyl ester
Banol
3,4-Dimethyl-6-chlorophenyl N-methylcarbamate
6-Chloro-3,4-dimethylphenyl N-methylcarbamate
6-Chloro-3,4-xylyl methylcarbamate
Banol tuco sok
Carbamic acid, methyl-, (2-chloro-4,5-dimethyl)phenyl ester
Carbamic acid, methyl-, 2-chloro-4,5-xylyl ester
2-Chloro-4,5-dimethylphenyl methylcarbamate
Chloroxylam
6-Chloro-3,4-xylenyl N-methylcarbamate
2-Chloro-4,5-xylyl N-methylcarbamate
6-Chloro-3,4-xylyl N-methylcarbamate
OMS-174
SOK
U 12927
U-17004
UPJOHN U-12,927
3,4-Xylyl-6-chloro-N-methylcarbamate

Inchi: InChI=1S/C10H12ClNO2/c1-6-4-8(11)9(5-7(6)2)14-10(13)12-3/h4-5H,1-3H3,(H,12,13)
InchiKey: QRTXZGIQTYDABO-UHFFFAOYSA-N
Formula: C10H12ClNO2
SMILES: CNC(=O)Oc1cc(C)c(C)cc1Cl
Mol. weight [g/mol]: 213.66

Physical Properties

Property code	Value	Unit	Source
hfus	26.61	kJ/mol	Joback Method
log10ws	-3.41		Cheméo Relay (1.0)
logp	2.675		Crippen Method
mcvol	157.660	ml/mol	McGowan Method
tf	380.65	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	370.82	J/mol×K	633.71	Joback Method
cpg	382.84	J/mol×K	670.26	Joback Method
cpg	394.16	J/mol×K	706.80	Joback Method
cpg	404.79	J/mol×K	743.35	Joback Method
cpg	414.73	J/mol×K	779.89	Joback Method
cpg	423.99	J/mol×K	816.44	Joback Method
cpg	432.56	J/mol×K	852.99	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C671045&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point