Cyclohexanol, 5-methyl-2-(1-methylethyl)-, 2-aminobenzoate

Other names: Menthyl anthranilate
Neo heliopan MA
Inchi: InChI=1S/C17H25NO2/c1-11(2)13-9-8-12(3)10-16(13)20-17(19)14-6-4-5-7-15(14)18/h4-
InchiKey: SOXAGEOHPCXXIO-UHFFFAOYSA-N
Formula: C17H25NO2
SMILES: CC1CCC(C(C)C)C(OC(=O)c2ccccc2N)C1
Mol. weight [g/mol]: 275.39
CAS: 134-09-8

Physical Properties

Property code	Value	Unit	Source
gf	34.16	kJ/mol	Joback Method
hf	-371.80	kJ/mol	Joback Method
hfus	31.88	kJ/mol	Joback Method
hvap	75.59	kJ/mol	Joback Method
log10ws	-4.40		Crippen Method
logp	3.886		Crippen Method
mcvol	233.190	ml/mol	McGowan Method
pc	1916.94	kPa	Joback Method
rinpol	2146.50		NIST Webbook
rinpol	2146.50		NIST Webbook
tb	778.61	K	Joback Method
tc	1011.38	K	Joback Method
tf	459.61	K	Joback Method
vc	0.858	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	727.23	J/mol×K	778.61	Joback Method
cpg	746.64	J/mol×K	817.41	Joback Method
cpg	764.47	J/mol×K	856.20	Joback Method
cpg	780.74	J/mol×K	895.00	Joback Method
cpg	795.49	J/mol×K	933.79	Joback Method

cpg	808.75	J/mol×K	972.59	Joback Method
cpg	820.54	J/mol×K	1011.38	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C134098&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume