N,n-diethyl-p-methoxy-phenoxy propylamine

Inchi: InChI=1S/C14H23NO2/c1-4-15(5-2)11-6-12-17-14-9-7-13(16-3)8-10-14/h7-10H,4-6,11-1
InchiKey: XGMGMACKPMSEOD-UHFFFAOYSA-N
Formula: C14H23NO2
SMILES: CCN(CC)CCCOc1ccc(OC)cc1
Mol. weight [g/mol]: 237.34
CAS: 58469-70-8

Physical Properties

Property code	Value	Unit	Source
gf	70.56	kJ/mol	Joback Method
hf	-304.14	kJ/mol	Joback Method
hfus	31.06	kJ/mol	Joback Method
hvap	56.56	kJ/mol	Joback Method
log10ws	-2.79		Crippen Method
logp	2.806		Crippen Method
mcvol	206.080	ml/mol	McGowan Method
pc	1920.30	kPa	Joback Method
tb	608.66	K	Joback Method
tc	798.62	K	Joback Method
tf	363.41	K	Joback Method
vc	0.765	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	536.34	J/mol×K	608.66	Joback Method
cpg	553.79	J/mol×K	640.32	Joback Method
cpg	570.36	J/mol×K	671.98	Joback Method
cpg	586.09	J/mol×K	703.64	Joback Method
cpg	600.98	J/mol×K	735.30	Joback Method
cpg	615.06	J/mol×K	766.96	Joback Method
cpg	628.34	J/mol×K	798.62	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C58469708&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume