2-Ethoxyphenethylamine

Inchi: InChI=1S/C10H15NO/c1-2-12-10-6-4-3-5-9(10)7-8-11/h3-6H,2,7-8,11H2,1H3
InchiKey: VDSGSZWDSYFYCJ-UHFFFAOYSA-N
Formula: C10H15NO
SMILES: CCOc1ccccc1CCN
Mol. weight [g/mol]: 165.23
CAS: 39590-27-7

Physical Properties

Property code	Value	Unit	Source
gf	97.55	kJ/mol	Joback Method
hf	-123.10	kJ/mol	Joback Method
hfus	21.69	kJ/mol	Joback Method
hvap	53.84	kJ/mol	Joback Method
log10ws	-2.25		Crippen Method
logp	1.587		Crippen Method
mcvol	143.850	ml/mol	McGowan Method
pc	3012.33	kPa	Joback Method
tb	554.81	K	Joback Method
tc	769.29	K	Joback Method
tf	346.89	K	Joback Method
vc	0.534	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	340.61	J/mol×K	554.81	Joback Method
cpg	354.92	J/mol×K	590.56	Joback Method
cpg	368.46	J/mol×K	626.30	Joback Method
cpg	381.25	J/mol×K	662.05	Joback Method
cpg	393.29	J/mol×K	697.79	Joback Method
cpg	404.62	J/mol×K	733.54	Joback Method
cpg	415.25	J/mol×K	769.29	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C39590277&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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