Ethyl p-aminocinnamate

Other names:	Ethyl 4-aminocinnamate
	2-Propenoic acid, 3-(4-aminophenyl)-, ethyl ester
	Cinnamic acid, p-amino-, ethyl ester
Inchi:	InChI=1S/C11H13NO2/c1-2-14-11(13)8-5-9-3-6-10(12)7-4-9/h3-8H,2,12H2,1H3/b8-5+
InchiKey:	NRPMBSHHBFFYBF-VMPITWQZSA-N
Formula:	C11H13NO2
SMILES:	CCOC(=O)C=Cc1ccc(N)cc1
Mol. weight [g/mol]:	191.23
CAS:	5048-82-8

Physical Properties

Property code	Value	Unit	Source
gf	57.27	kJ/mol	Joback Method
hf	-139.10	kJ/mol	Joback Method
hfus	26.08	kJ/mol	Joback Method
hvap	62.77	kJ/mol	Joback Method
log10ws	-2.05		Crippen Method
logp	1.845		Crippen Method
mcvol	155.210	ml/mol	McGowan Method
pc	3076.16	kPa	Joback Method
tb	635.72	K	Joback Method
tc	863.04	K	Joback Method
tf	403.01	K	Joback Method
vc	0.577	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	384.10	J/mol×K	635.72	Joback Method
cpg	397.23	J/mol×K	673.61	Joback Method
cpg	409.49	J/mol×K	711.49	Joback Method
cpg	420.92	J/mol×K	749.38	Joback Method
cpg	431.55	J/mol×K	787.27	Joback Method
cpg	441.42	J/mol×K	825.15	Joback Method

cpg	450.56	J/mol×K	863.04	Joback Method

Sources

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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5048828&Units=SI

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