Benzoic acid, 2-amino-, 2-propenyl ester

Other names:	Anthranilic acid, allyl ester
	Allyl anthranilate
	2-Propenyl 2-aminobenzoate
	2-Propen-1-yl anthranilate
Inchi:	InChI=1S/C10H11NO2/c1-2-7-13-10(12)8-5-3-4-6-9(8)11/h2-6H,1,7,11H2
InchiKey:	UCANFCXAKYMFGA-UHFFFAOYSA-N
Formula:	C10H11NO2
SMILES:	C=CCOC(=O)c1ccccc1N
Mol. weight [g/mol]:	177.20
CAS:	7493-63-2

Physical Properties

Property code	Value	Unit	Source
gf	56.47	kJ/mol	Joback Method
hf	-110.25	kJ/mol	Joback Method
hfus	22.01	kJ/mol	Joback Method
hvap	59.92	kJ/mol	Joback Method
log10ws	-2.04		Crippen Method
logp	1.612		Crippen Method
mcvol	141.120	ml/mol	McGowan Method
pc	3392.03	kPa	Joback Method
tb	605.36	K	Joback Method
tc	832.15	K	Joback Method
tf	395.06	K	Joback Method
vc	0.521	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	336.24	J/mol×K	605.36	Joback Method
cpg	348.55	J/mol×K	643.16	Joback Method
cpg	360.07	J/mol×K	680.96	Joback Method
cpg	370.81	J/mol×K	718.75	Joback Method
cpg	380.79	J/mol×K	756.55	Joback Method

cpg	390.05	J/mol×K	794.35	Joback Method
cpg	398.60	J/mol×K	832.15	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=C7493632&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