Bornyl anthranilate

Inchi: InChI=1S/C17H23NO2/c1-16(2)11-8-9-17(16,3)14(10-11)20-15(19)12-6-4-5-7-13(12)18/h
InchiKey: KOTJVSKKXGQEQQ-UHFFFAOYSA-N
Formula: C17H23NO2
SMILES: CC1(C)C2CCC1(C)C(OC(=O)c1ccccc1N)C2
Mol. weight [g/mol]: 273.37

Physical Properties

Property code	Value	Unit	Source
gf	110.57	kJ/mol	Joback Method
hf	-250.92	kJ/mol	Joback Method
hfus	25.14	kJ/mol	Joback Method
hvap	73.25	kJ/mol	Joback Method
log10ws	-4.29		Crippen Method
logp	3.640		Crippen Method
mcvol	222.330	ml/mol	McGowan Method
pc	2220.80	kPa	Joback Method
rinpol	2192.60		NIST Webbook
rinpol	2192.60		NIST Webbook
tb	777.73	K	Joback Method
tc	1022.41	K	Joback Method
tf	547.39	K	Joback Method
vc	0.833	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	693.97	J/mol×K	777.73	Joback Method
cpg	714.27	J/mol×K	818.51	Joback Method
cpg	734.42	J/mol×K	859.29	Joback Method
cpg	754.75	J/mol×K	900.07	Joback Method
cpg	775.61	J/mol×K	940.85	Joback Method
cpg	797.36	J/mol×K	981.63	Joback Method
cpg	820.32	J/mol×K	1022.41	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=U417242&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume