Norpropoxypheneamide

Inchi: InChI=1S/C20H23NO3/c1-3-19(23)24-20(15-21(2)16-22,18-12-8-5-9-13-18)14-17-10-6-4
InchiKey: OBVKZRJOBNSRRS-UHFFFAOYSA-N
Formula: C20H23NO3
SMILES: CCC(=O)OC(Cc1ccccc1)(CN(C)C=O)c1ccccc1
Mol. weight [g/mol]: 325.40

Physical Properties

Property code	Value	Unit	Source
gf	122.52	kJ/mol	Joback Method
hf	-254.67	kJ/mol	Joback Method
hfus	36.32	kJ/mol	Joback Method
hvap	81.29	kJ/mol	Joback Method
log10ws	-3.78		Crippen Method
logp	3.166		Crippen Method
mcvol	264.130	ml/mol	McGowan Method
pc	1827.85	kPa	Joback Method
rinpol	2527.00		NIST Webbook
rinpol	2527.00		NIST Webbook
rinpol	2505.00		NIST Webbook
rinpol	2507.00		NIST Webbook
tb	844.52	K	Joback Method
tc	1072.18	K	Joback Method
tf	517.05	K	Joback Method
vc	0.988	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	797.47	J/mol×K	844.52	Joback Method
cpg	812.53	J/mol×K	882.46	Joback Method
cpg	826.37	J/mol×K	920.41	Joback Method
cpg	839.09	J/mol×K	958.35	Joback Method
cpg	850.80	J/mol×K	996.29	Joback Method
cpg	861.60	J/mol×K	1034.23	Joback Method

cpg	871.61	J/mol×K	1072.18	Joback Method

Sources

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=U123368&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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