Cyclohexanecarboxamide, N-(1-naphthyl)-

Inchi: InChI=1S/C17H19NO/c19-17(14-8-2-1-3-9-14)18-16-12-6-10-13-7-4-5-11-15(13)16/h4-7,
InchiKey: ZHOHTMQQHGOXDV-UHFFFAOYSA-N
Formula: C17H19NO
SMILES: OC(=Nc1cccc2ccccc12)C1CCCCC1
Mol. weight [g/mol]: 253.34

Physical Properties

Property code	Value	Unit	Source
hf	-3.56	kJ/mol	Joback Method
hvap	78.52	kJ/mol	Joback Method
log10ws	-5.41		Crippen Method
logp	5.008		Crippen Method
mcvol	207.860	ml/mol	McGowan Method
pc	2284.95	kPa	Joback Method
rinpol	2412.00		NIST Webbook
rinpol	2412.00		NIST Webbook
tb	827.29	K	Joback Method
tc	1069.89	K	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=U306953&Units=SI

Legend

hf: Enthalpy of formation 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

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