Acetamide, N-(1-naphthyl)-2-phenyl-

Inchi: InChI=1S/C18H15NO/c20-18(13-14-7-2-1-3-8-14)19-17-12-6-10-15-9-4-5-11-16(15)17/h1
InchiKey: MKJMGCMYLNFCGO-UHFFFAOYSA-N
Formula: C18H15NO
SMILES: OC(Cc1ccccc1)=Nc1cccc2ccccc12
Mol. weight [g/mol]: 261.32

Physical Properties

Property code	Value	Unit	Source
hf	158.01	kJ/mol	Joback Method
hvap	82.59	kJ/mol	Joback Method
log10ws	-5.28		Crippen Method
logp	4.671		Crippen Method
mcvol	209.050	ml/mol	McGowan Method
pc	2351.92	kPa	Joback Method
rinpol	2491.00		NIST Webbook
rinpol	2491.00		NIST Webbook
tb	857.30	K	Joback Method
tc	1101.76	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U307149&Units=SI
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

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