2-Naphthamide, N-(3-methylbutyl)-

Inchi: InChI=1S/C16H19NO/c1-12(2)9-10-17-16(18)15-8-7-13-5-3-4-6-14(13)11-15/h3-8,11-12H
InchiKey: NJYPSVBHHXWASY-UHFFFAOYSA-N
Formula: C16H19NO
SMILES: CC(C)CCN=C(O)c1ccc2ccccc2c1
Mol. weight [g/mol]: 241.33

Physical Properties

Property code	Value	Unit	Source
hf	-42.52	kJ/mol	Joback Method
hvap	75.47	kJ/mol	Joback Method
log10ws	-4.60		Crippen Method
logp	4.191		Crippen Method
mcvol	204.630	ml/mol	McGowan Method
pc	2079.33	kPa	Joback Method
rinpol	2273.00		NIST Webbook
rinpol	2273.00		NIST Webbook
tb	784.42	K	Joback Method
tc	1004.03	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=U407349&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