2-Naphthamide, N-2-ethylhexyl-

Inchi: InChI=1S/C19H25NO/c1-3-5-8-15(4-2)14-20-19(21)18-12-11-16-9-6-7-10-17(16)13-18/h
InchiKey: SMCUWTMUHGHVMY-UHFFFAOYSA-N
Formula: C19H25NO
SMILES: CCCCC(CC)CN=C(O)c1ccc2ccccc2c1
Mol. weight [g/mol]: 283.41

Physical Properties

Property code	Value	Unit	Source
hf	-104.44	kJ/mol	Joback Method
hvap	82.15	kJ/mol	Joback Method
log10ws	-5.85		Crippen Method
logp	5.361		Crippen Method
mcvol	246.900	ml/mol	McGowan Method
pc	1624.60	kPa	Joback Method
rinpol	2532.00		NIST Webbook
tb	853.06	K	Joback Method
tc	1067.08	K	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=U407353&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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