2-Naphthamide, N-decyl-

Inchi: InChI=1S/C21H29NO/c1-2-3-4-5-6-7-8-11-16-22-21(23)20-15-14-18-12-9-10-13-19(18)17
InchiKey: FAACXMODOPHDHL-UHFFFAOYSA-N
Formula: C21H29NO
SMILES: CCCCCCCCCCN=C(O)c1ccc2ccccc2c1
Mol. weight [g/mol]: 311.46

Physical Properties

Property code	Value	Unit	Source
hf	-140.44	kJ/mol	Joback Method
hvap	86.99	kJ/mol	Joback Method
log10ws	-6.93		Crippen Method
logp	6.285		Crippen Method
mcvol	275.080	ml/mol	McGowan Method
pc	1391.25	kPa	Joback Method
rinpol	2863.00		NIST Webbook
rinpol	2863.00		NIST Webbook
tb	899.26	K	Joback Method
tc	1111.17	K	Joback Method

Sources

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=U407357&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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