2-Naphthamide, N-dodecyl-

Inchi: InChI=1S/C23H33NO/c1-2-3-4-5-6-7-8-9-10-13-18-24-23(25)22-17-16-20-14-11-12-15-2
InchiKey: JLZNGQGIQSYCRR-UHFFFAOYSA-N
Formula: C23H33NO
SMILES: CCCCCCCCCCCCN=C(O)c1ccc2ccccc2c1
Mol. weight [g/mol]: 339.51

Physical Properties

Property code	Value	Unit	Source
hf	-181.72	kJ/mol	Joback Method
hvap	91.44	kJ/mol	Joback Method
log10ws	-7.77		Crippen Method
logp	7.065		Crippen Method
mcvol	303.260	ml/mol	McGowan Method
pc	1211.51	kPa	Joback Method
rinpol	3074.00		NIST Webbook
rinpol	3074.00		NIST Webbook
tb	945.02	K	Joback Method
tc	1160.37	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=U407359&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