Dodecanamide, N-tetradecyl-

Inchi: InChI=1S/C26H53NO/c1-3-5-7-9-11-13-14-15-17-19-21-23-25-27-26(28)24-22-20-18-16-
InchiKey: SGCAXQFEDYHNPP-UHFFFAOYSA-N
Formula: C26H53NO
SMILES: CCCCCCCCCCCCCCN=C(O)CCCCCCCCCCC
Mol. weight [g/mol]: 395.71

Physical Properties

Property code	Value	Unit	Source
hf	-659.77	kJ/mol	Joback Method
hvap	93.54	kJ/mol	Joback Method
log10ws	-9.69		Crippen Method
logp	9.565		Crippen Method
mcvol	388.750	ml/mol	McGowan Method
pc	721.85	kPa	Joback Method
rinpol	3063.00		NIST Webbook
rinpol	3063.00		NIST Webbook
tb	963.02	K	Joback Method
tc	1191.27	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U407577&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