Benzamide, 2-methyl-N-hexadecyl-

Inchi: InChI=1S/C24H41NO/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-18-21-25-24(26)23-20-17-16-
InchiKey: APTYYYPXOSVWAZ-UHFFFAOYSA-N
Formula: C24H41NO
SMILES: CCCCCCCCCCCCCCCCCN=C(O)c1ccccc1C
Mol. weight [g/mol]: 359.59

Physical Properties

Property code	Value	Unit	Source
hf	-393.43	kJ/mol	Joback Method
hvap	92.03	kJ/mol	Joback Method
log10ws	-8.11		Crippen Method
logp	7.781		Crippen Method
mcvol	336.810	ml/mol	McGowan Method
pc	968.07	kPa	Joback Method
rinpol	2969.00		NIST Webbook
rinpol	2969.00		NIST Webbook
tb	948.92	K	Joback Method
tc	1161.75	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=U407406&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