

1-Cyclopropanecarboxamide, 2-phenyl-N-hexadecyl-

Inchi: InChI=1S/C26H43NO/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-18-21-27-26(28)25-22-24(25)2
InchiKey: YKSBMGDQSWIKQF-UHFFFAOYSA-N
Formula: C26H43NO
SMILES: CCCCCCCCCCCCCCN=C(O)C1CC1c1ccccc1
Mol. weight [g/mol]: 385.63

Physical Properties

Property code	Value	Unit	Source
hf	-370.78	kJ/mol	Joback Method
hvap	95.42	kJ/mol	Joback Method
log10ws	-8.41		Crippen Method
logp	8.228		Crippen Method
mcvol	354.130	ml/mol	McGowan Method
pc	921.62	kPa	Joback Method
rinpol	1427.00		NIST Webbook
rinpol	1427.00		NIST Webbook
tb	991.77	K	Joback Method
tc	1214.59	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=U415248&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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

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