1-Cyclopropanecarboxamide, 2-phenyl-N-decyl-

Inchi: InChI=1S/C20H31NO/c1-2-3-4-5-6-7-8-12-15-21-20(22)19-16-18(19)17-13-10-9-11-14-1

InchiKey: NGVYETHCGJDQSP-UHFFFAOYSA-N

Formula: C20H31NO

SMILES: CCCCCCCCCCN=C(O)C1CC1c1ccccc1

Mol. weight [g/mol]: 301.47

Physical Properties

Property code	Value	Unit	Source
hf	-246.94	kJ/mol	Joback Method
hvap	82.07	kJ/mol	Joback Method
log10ws	-5.90		Crippen Method
logp	5.887		Crippen Method
mcvol	269.590	ml/mol	McGowan Method
pc	1353.63	kPa	Joback Method
rinpol	2830.00		NIST Webbook
tb	854.49	K	Joback Method
tc	1058.40	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=U415244&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