N,N-Diphenyl-4-morpholinecarboxamide

Inchi: InChI=1S/C17H18N2O2/c20-17(18-11-13-21-14-12-18)19(15-7-3-1-4-8-15)16-9-5-2-6-10
InchiKey: XYCIGOQWHKQDFQ-UHFFFAOYSA-N
Formula: C17H18N2O2
SMILES: O=C(N1CCOCC1)N(c1ccccc1)c1ccccc1
Mol. weight [g/mol]: 282.34
CAS: 75125-45-0

Physical Properties

Property code	Value	Unit	Source
chs	-9044.60 ± 5.90	kJ/mol	NIST Webbook
hfs	-217.60 ± 5.90	kJ/mol	NIST Webbook
log10ws	-3.16		Crippen Method
logp	3.277		Crippen Method
mcvol	219.410	ml/mol	McGowan Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C75125450&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

chs: Standard solid enthalpy of combustion
hfs: Solid phase enthalpy of formation at standard conditions
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume