N-2-(1-benzoxy) pentylbenzamide

Inchi: InChI=1S/C19H21NO3/c1-2-9-17(20-18(21)15-10-5-3-6-11-15)14-23-19(22)16-12-7-4-8-
InchiKey: MWXHJIKAPSMHRW-UHFFFAOYSA-N
Formula: C19H21NO3
SMILES: CCCC(COC(=O)c1ccccc1)N=C(O)c1ccccc1
Mol. weight [g/mol]: 311.37
CAS: 4146-06-9

Physical Properties

Property code	Value	Unit	Source
hf	-292.31	kJ/mol	Joback Method
hvap	91.28	kJ/mol	Joback Method
log10ws	-4.62		Crippen Method
logp	4.017		Crippen Method
mcvol	250.040	ml/mol	McGowan Method
pc	1835.69	kPa	Joback Method
tb	932.07	K	Joback Method
tc	1161.11	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=C4146069&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature