

N-2-(1-hydroxy)pentylbenzamide

Inchi:	InChI=1S/C12H17NO2/c1-2-6-11(9-14)13-12(15)10-7-4-3-5-8-10/h3-5,7-8,11,14H,2,6,9H
InchiKey:	YZQUHPBVOSYFIE-UHFFFAOYSA-N
Formula:	C12H17NO2
SMILES:	CCCC(CO)N=C(O)c1ccccc1
Mol. weight [g/mol]:	207.27
CAS:	4146-07-0

Physical Properties

Property code	Value	Unit	Source
hf	-291.79	kJ/mol	Joback Method
hvap	80.95	kJ/mol	Joback Method
log10ws	-2.41		Crippen Method
logp	2.152		Crippen Method
mcvol	173.600	ml/mol	McGowan Method
pc	2637.96	kPa	Joback Method
tb	761.12	K	Joback Method
tc	959.91	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=C4146070&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

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