

N-2-(1-hydroxy-3-methyl) butylbenzamide

Inchi:	InChI=1S/C12H17NO2/c1-9(2)11(8-14)13-12(15)10-6-4-3-5-7-10/h3-7,9,11,14H,8H2,1-2
InchiKey:	CPFYFTYVCYKOBY-UHFFFAOYSA-N
Formula:	C12H17NO2
SMILES:	CC(C)C(CO)N=C(O)c1ccccc1
Mol. weight [g/mol]:	207.27
CAS:	92265-07-1

Physical Properties

Property code	Value	Unit	Source
hf	-297.07	kJ/mol	Joback Method
hvap	80.56	kJ/mol	Joback Method
log10ws	-2.17		Crippen Method
logp	2.008		Crippen Method
mcvol	173.600	ml/mol	McGowan Method
pc	2659.77	kPa	Joback Method
tb	760.68	K	Joback Method
tc	962.16	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C92265071&Units=SI
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

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

Latest version available from:

<https://www.cheméo.com/cid/85-587-7/N-2-1-hydroxy-3-methyl-butylbenzamide.pdf>

Generated by Cheméo on 2025-12-23 18:00:07.476484303 +0000 UTC m=+6261005.006524959.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.