

# Norfenefrine

<b>Other names:</b>	Benzenemethanol, «alpha»-(aminomethyl)-3-hydroxy- Benzyl alcohol, «alpha»-(aminomethyl)-m-hydroxy- «alpha»-(Aminomethyl)-m-hydroxybenzyl alcohol 1-(m-Hydroxyphenyl)-2-aminoethanol 1-(3'-Hydroxyphenyl)-2-aminoethanol m-Hydroxyphenylethanolamine 1-(3-Hydroxyphenyl)-1-hydroxy-2-aminoethane Metacardiol Norenol Normetol Norphenylephrine m-Octopamine Benzyl alcohol, alpha-(aminomethyl)-m-hydroxy- (.+/-.)-Norfenefrine DL-Norphenylephrine R,S-Norphenylephrine Norphenephrine
<b>Inchi:</b>	InChI=1S/C8H11NO2/c9-5-8(11)6-2-1-3-7(10)4-6/h1-4,8,10-11H,5,9H2
<b>InchiKey:</b>	LRCXRAABFLIVAI-UHFFFAOYSA-N
<b>Formula:</b>	C8H11NO2
<b>SMILES:</b>	NCC(O)c1cccc(O)c1
<b>Mol. weight [g/mol]:</b>	153.18
<b>CAS:</b>	536-21-0

## Physical Properties

Property code	Value	Unit	Source
gf	-98.54	kJ/mol	Joback Method
hf	-272.95	kJ/mol	Joback Method
hfus	22.06	kJ/mol	Joback Method
hvap	75.62	kJ/mol	Joback Method
log10ws	-0.98		Crippen Method
logp	0.384		Crippen Method
mcvol	121.540	ml/mol	McGowan Method
pc	5495.11	kPa	Joback Method
tb	654.01	K	Joback Method
tc	875.02	K	Joback Method
tf	447.14	K	Joback Method

vc

0.384

m<sup>3</sup>/kmol

Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	320.15	J/mol×K	654.01	Joback Method
cpg	329.53	J/mol×K	690.84	Joback Method
cpg	338.27	J/mol×K	727.68	Joback Method
cpg	346.47	J/mol×K	764.51	Joback Method
cpg	354.20	J/mol×K	801.35	Joback Method
cpg	361.53	J/mol×K	838.18	Joback Method
cpg	368.56	J/mol×K	875.02	Joback Method

## Sources

**McGowan Method:**

<http://link.springer.com/article/10.1007/BF02311772>

**NIST Webbook:**

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C536210&Units=SI>

**Crippen Method:**

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

**Crippen Method:**

[https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**Joback Method:**

[https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point

**vc:** Critical Volume

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