

# Ramipril Me

<b>Inchi:</b>	InChI=1S/C26H37NO5/c1-5-32-26(30)22(15-14-18-10-7-6-8-11-18)27(3)17(2)24(28)23-2
<b>InchiKey:</b>	MNFNVIQWIQPMIT-XGKJGUGDSA-N
<b>Formula:</b>	C26H37NO5
<b>SMILES:</b>	CCOC(=O)C(CCc1ccccc1)N(C)C(C)C(=O)C1C(C(=O)OC)CC2CCCC21
<b>Mol. weight [g/mol]:</b>	443.58

## Physical Properties

Property code	Value	Unit	Source
gf	-128.53	kJ/mol	Joback Method
hf	-796.05	kJ/mol	Joback Method
hfus	54.50	kJ/mol	Joback Method
hvap	101.62	kJ/mol	Joback Method
log10ws	-4.43		Crippen Method
logp	3.666		Crippen Method
mvol	358.150	ml/mol	McGowan Method
pc	1133.67	kPa	Joback Method
rinpol	2880.00		NIST Webbook
rinpol	2880.00		NIST Webbook
tb	1051.65	K	Joback Method
tc	1288.75	K	Joback Method
tf	626.28	K	Joback Method
vc	1.339	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1284.36	J/mol×K	1051.65	Joback Method
cpg	1299.76	J/mol×K	1091.17	Joback Method
cpg	1313.61	J/mol×K	1130.68	Joback Method
cpg	1326.02	J/mol×K	1170.20	Joback Method
cpg	1337.09	J/mol×K	1209.72	Joback Method
cpg	1346.95	J/mol×K	1249.23	Joback Method
cpg	1355.71	J/mol×K	1288.75	Joback Method

# Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R550006&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R550006&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>

# 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>hvp:</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>rinp:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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