

# Nilvadipine

<b>Other names:</b>	3,5-Pyridinedicarboxylic acid, 2-cyano-1,4-dihydro-6-methyl-4-(3-nitrophenyl)-, 3-methyl-5-(1-methylethyl) ester FK 235 FR 34235 5-Isopropyl-3-methyl-2-cyano-1,4-dihydro-6-methyl-4-(m-nitrophenyl)-3,5-pyridinedicarboxylate Nivadipine CL-287,389 Escor Nivadil SK&F-102,362
<b>Inchi:</b>	InChI=1S/C19H19N3O6/c1-10(2)28-19(24)15-11(3)21-14(9-20)17(18(23)27-4)16(15)12-
<b>InchiKey:</b>	FAIIFDPAEUKBEP-UHFFFAOYSA-N
<b>Formula:</b>	C19H19N3O6
<b>SMILES:</b>	<chem>COC(=O)C1=C(C#N)NC(C)=C(C(=O)OC(C)C)C1c1cccc([N+](=O)[O-])c1</chem>
<b>Mol. weight [g/mol]:</b>	385.37
<b>CAS:</b>	75530-68-6

## Physical Properties

Property code	Value	Unit	Source
gf	43.89	kJ/mol	Joback Method
hf	-389.38	kJ/mol	Joback Method
hfus	55.85	kJ/mol	Joback Method
hvap	116.24	kJ/mol	Joback Method
log10ws	-4.98		Crippen Method
logp	2.458		Crippen Method
mvol	279.010	ml/mol	McGowan Method
pc	1740.46	kPa	Joback Method
rinpol	2729.22		NIST Webbook
tb	1158.18	K	Joback Method
tc	1424.86	K	Joback Method
tf	844.76	K	Joback Method
vc	1.083	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	885.84	J/mol×K	1158.18	Joback Method
cpg	888.88	J/mol×K	1202.63	Joback Method
cpg	889.77	J/mol×K	1247.07	Joback Method
cpg	888.52	J/mol×K	1291.52	Joback Method
cpg	885.11	J/mol×K	1335.97	Joback Method
cpg	879.55	J/mol×K	1380.41	Joback Method
cpg	871.81	J/mol×K	1424.86	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C75530686&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C75530686&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<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>

## 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>rinpola:</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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