

# Nimodipine M (dehydro-desisopropyl-O-desmethyl-carboxy, dimethyl ester)

Other names:

Nicardipine M (dehydro-desamino-carboxy, methyl ester)

Inchi: InChI=1S/C19H18N2O8/c1-10-15(18(23)28-4)17(12-6-5-7-13(8-12)21(25)26)16(11(2)20-

InchiKey: MSONLQBLZWSFPP-UHFFFAOYSA-N

Formula: C19H18N2O8

SMILES: COC(=O)COC(=O)c1c(C)nc(C)c(C(=O)OC)c1-c1cccc([N+](=O)[O-])c1

Mol. weight [g/mol]: 402.35

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.63		Crippen Method
logp	2.390		Crippen Method
mcvol	280.770	ml/mol	McGowan Method
rinpole	2645.00		NIST Webbook

## Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R89637&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)

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

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpole:** Non-polar retention indices

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